



This course strives to make the basic user more proficient in the use of AutoCAD® and introduces more developed techniques. This class focuses on topics beyond those covered in the Fundamentals course and includes working with the Ribbon, using efficiency tools including grips and advanced object selection; adding parametric constraints to objects, advanced text objects; setting up layers, styles and templates; using layout tabs, creating blocks and enhanced plotting/publishing.

Prerequisites: Students who have taken an AutoCAD Fundamentals course within the past year or those who are comfortable with the basics of creating a 2D drawing and who have a working knowledge of Microsoft Windows.

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Course Objectives

The primary objective of this course is to learn more sophisticated techniques that will extend the user's mastery of the program. For example, you may know how to insert blocks, you may wish to learn how to create and manage block libraries; or you may be able to use templates for your drawings, how about going beyond the basics to understand the process of setting up a template with organized layers, text and dimension styles.

After completing this course, students will be able to:

Use more evolved techniques such as shortcut keys, grips and Palettes. Create and use Blocks, Setup template files to include standard layers, text and dimension styles and output to DWF or PDF for electronic markups and review.

Students will also be introduced to some of the management tools in AutoCAD, including the Layer Manager, CAD Standards files, System Setup and Customization.

Who Should Attend

If you have the AutoCAD basics down or you've taken an AutoCAD Fundamentals class within the past year, and you are looking to further your techniques to the next level, then this class is for you. This class covers many parts to AutoCAD that can help the user not only strengthen what they already know, but teaches the tricks and techniques to be quicker and more effective.

Chapter 1: Introduction

Practice Introduction

Chapter 2: Advanced Text Objects

Annotation Scale Overview

Using Fields

Controlling the Draw Order

Chapter 3: Working with Tables

Working with Linked Tables

Creating Table Styles

Chapter 4: Projects – Advanced Annotation

Fields and Tables

Chapter 5: Dynamic Blocks

Working with Dynamic Blocks

Creating Dynamic Block Definitions

Dynamic Block Authoring Tools

Additional Visibility Options

Chapter 6: Attributes

Inserting Blocks with Attributes

Editing Attribute Values

Defining Attributes

Redefining Blocks with Attributes

Extracting Attributes

Chapter 7: Projects – Advanced Blocks and Attributes

Dynamic Block Practice

Mechanical Attribute Project

Architectural Attribute Project

Chapter 8: Output and Publishing

Output for Electronic Review

Autodesk Design Review

Publishing Drawing Sets

Chapter 9: Other Tools for Collaboration

eTransmit

Hyperlinks

Chapter 10: Projects – Reference and Share Information

Reference and Share Information

Chapter 11: Introduction to Sheet Sets

Overview of Sheet Sets

Creating Sheet Sets

Creating Sheets in Sheet Sets

Adding Views to Sheets

Importing Layouts to Sheet Sets

Chapter 12: Publishing and Customizing Sheet Sets

Transmitting and Archiving Sheet Sets

Publishing Sheet Sets

Customizing Sheet Sets

Custom Blocks for Sheet Sets

Chapter 13: Projects – Sheet Sets

Sheet Sets

Chapter 14: Managing Layers

Working in the Layer Properties Manager

Creating Layer Filters

Setting Layer States

Chapter 15: CAD Standards

CAD Standards Concepts

Configuring Standards

Checking Standards

Layer Translator

Chapter 16: System Setup

Options Dialog Box

System Variables

Dynamic Input Settings

Drawing Utilities

Managing Plotters

Plot Styles

Chapter 17: Introduction to Customization

Why Customize?

What Can Be Customized?

Creating a Custom Workspace

Chapter 18: Customizing the User Interface

Using the Customize User Interface

(CUI) Dialog Box

Customizing the Ribbon

Customizing the Quick Access Toolbar

Customizing Menus

Creating Custom Toolbars

Keyboard Shortcuts

Chapter 19: Macros and Customer Routines

Creating Custom Commands and Macros

Running Scripts

Action Recorder

Editing Action Macros

Loading Custom Routines