
Table of Contents

AutoCAD 2008 Fundamentals

Fundamentals Part 1

Module 1: Creating a Simple Drawing

Section 1: Getting Started with AutoCAD

- Starting AutoCAD
- AutoCAD's Screen Layout
- Working with Commands
- Opening an Existing Drawing File
- Saving Your Work
- AutoCAD's Cartesian Workspace

Section 2: Basic Drawing & Editing Commands

- Drawing Lines
- Erasing Objects
- Drawing Lines with Polar Tracking
- Drawing Rectangles
- Drawing Circles
- Viewing Your Drawing
- Undoing and Redoing Actions

Module 2: Making Your Drawings More Precise

Section 1: Drawing Precision in AutoCAD

- Using Object Snaps
- Object Snap Overrides
- Polar Tracking Settings
- Object Snap Tracking
- Drawing with Snap and Grid (Optional)

Section 2: Making Changes in Your Drawing

- Selecting Objects for Editing
- Moving Objects
- Copying Objects
- Rotating Objects
- Scaling Objects
- Mirroring Objects
- Editing Objects with Grips

Module 3: Drawing Organization and Information

Section 1: Organizing Your Drawing with Layers

Creating New Drawings with Templates
What are Layers?
Layer States
Changing an Object's Layer

Section 2: Advanced Object Types

Drawing Arcs
Drawing Polylines
Editing Polylines
Drawing Polygons
Drawing Ellipses

Section 3: Getting Information from Your Drawing

Measuring Objects
Working with Properties

Module 4: Creating More Complex Objects

Section 1: Advanced Editing Commands

Trimming and Extending
Stretching Objects
Creating Fillets and Chamfers
Offsetting Objects
Creating Arrays of Objects

Section 2: Inserting Blocks

What are Blocks?
Inserting Blocks from Tool Palettes
Inserting Blocks Using Insert
Inserting Blocks with DesignCenter

Module 5: Preparing to Print

Section 1: Setting Up a Layout

Printing Concepts
Creating Viewports
Setting up Layouts
Guidelines for Layouts

Section 2: Printing Your Drawing

Printing Layouts
Printing a Check Plot

Module 6: Annotating Your Drawing

Section 1: Text

- Working with Annotations
- Adding Text in a Drawing
- Modifying Multiline Text
- Formatting Multiline Text

Section 2: Hatching

- Hatching

Section 3: Adding Dimensions

- Dimensioning Concepts
- Adding Linear Dimensions
- Adding Radial & Angular Dimensions
- Editing Dimensions
- Adding Notes to Your Drawing

Fundamentals Part 2

Module 1: Beyond the Basics

Section 1: Working Effectively with AutoCAD

- Setting up the Interface
- Using the Keyboard Effectively
- Working in Multiple Drawings
- Using Grips Effectively
- Additional Layer Tools

Section 2: Accurate Positioning

- Coordinate Entry
- Locating Points with Tracking
- Construction Lines
- Placing Reference Points

Module 2: Creating and Organizing Blocks

Section 1: Creating Blocks

- Creating Blocks
- Editing Blocks
- Removing Unused Elements

Section 2: Blocks in Tool Palettes

- Adding Blocks to Tool Palettes
- Modifying Tool Properties in Tool Palettes

Module 3: Drawing Setup

Section 1: Creating Templates

- Why Use Templates?
- Controlling Units Display
- Creating New Layers
- Adding Standard Layouts to Templates
- Saving Templates

Section 2: Annotation Styles

- Creating Text Styles
- Creating Dimension Styles
- Creating Multileader Styles

Module 4: Advanced Layouts and Printing

Section 1: Advanced Layouts

- Creating and Using Named Views
- Creating Additional Viewports
- Layer Overrides In Viewports
- Additional Annotative Scale Features

Section 2: DWF Printing and Publishing

- DWF Plotting and Viewing
- Publishing Drawing Sets

Section 3: Drawing Projects (Optional)

- D-Sized Title Block
- Mechanical Project: Drill Press
- Architectural Project: Office Tower
- P&ID Project: Oil Lubrication System
- Civil Project: Warehouse Site

Appendix: Optional Topics

- How to Use Quick Calc
- Additional Zoom Commands
- Creating Model Space Viewports
- Advanced Object Selection
- Single-Line Text
- Other Text Tools
- Additional Dimensioning Tools
- Creating Boundaries
- Working with Regions
- Temporary Overrides