



OVERVIEW OF COURSE



Autodesk AutoCAD / AutoCAD LT Beyond the Basics

Course Length: 2 days

The AutoCAD Beyond the Basics course continues with more sophisticated techniques that extend your mastery of the program. For example, here you go beyond the basic skill of inserting a block to learning how to create blocks, and beyond the basic skill of using a template to understand the process of setting up a template. You learn skills such as:

- Using more advanced editing and construction techniques.
- Adding parametric constraints to objects.
- Creating local and global blocks.
- Setting up layers, styles, and templates.
- Using advanced plotting and publishing options.

Prerequisites:

- A working knowledge of basic design/drafting procedures and terminology.
- A working knowledge of your operating system.



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- 1.1 Creating a Custom Workspace
- 1.2 Using the Keyboard Effectively
- 1.3 Object Creation, Selection, and Visibility
- 1.4 Working in Multiple Drawings
- 1.5 Copying and Pasting Between Drawings
- 1.6 Using Grips Effectively
- 1.7 Additional Layer Tools

Chapter 2 Accurate Positioning

- 2.1 Coordinate Entry
- 2.2 Locating Points with Tracking
- 2.3 Construction Lines
- 2.4 Placing Reference Points

Chapter 3 Projects - Productivity Tools

- 3.1 Schematic Project - Purifier Unit
- 3.2 Mechanical Project - 2 Views
- 3.3 Architectural/Civil Project - Formal Garden
- 3.4 Mechanical Project - Cover Plate
- 3.5 Architectural Project - Addition
- 3.6 Mechanical Project - Block
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Chapter 4 Parametric Drawing

- 4.1 Working with Constraints
- 4.2 Geometric Constraints
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Chapter 5 Working with Blocks

- 5.1 Creating Blocks
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- 5.3 Removing Unused Elements



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- 5.4 Adding Blocks to Tool Palettes
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Chapter 6 Projects - Creating and Organizing Blocks

- 6.1 Mechanical Project - Control Panel
- 6.2 Architectural Project - Furniture Layout
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Chapter 7 Creating Templates

- 7.1 Why Use Templates?
- 7.2 Controlling Units Display
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Chapter 8 Advanced Layouts

- 8.1 Quick View Layouts
- 8.2 Creating and Using Named Views
- 8.3 Advanced Viewport Options
- 8.4 Layer Overrides in Viewports
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- 9.1 Creating Text Styles
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- 9.3 Creating Multileader Styles

Chapter 10 Projects - Drawing Setup and Utilities

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- 10.2 Mechanical/Schematic Project
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- 10.4 Mechanical Project - Dimension Styles

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- 11.1 Attaching External References
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Chapter 12 Projects - Drawing

- 12.1 D-sized Title Block (36x24)
- 12.2 Mechanical Project - Drill Press Base
- 12.3 Architectural Project - Office Tower
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- 12.5 Civil Project - Warehouse Site

Appendix A Optional Topics

- A.1 Using QuickCalc
- A.2 Additional Zoom Commands
- A.3 Advanced Object Selection
- A.4 Additional Text Tools
- A.5 Additional Dimensioning Tools
- A.6 Creating Boundaries and Regions
- A.7 Modifying Length



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