

# AutoCAD Bootcamp

This 40-hour AutoCAD Bootcamp includes our beginner and intermediate classes at a 10% discount. Master beginner to advanced drawing techniques in this hands-on training.

**Group classes in NYC and onsite training is available for this course.**  
For more information, email [contact@nyimtraining.com](mailto:contact@nyimtraining.com) or visit:  
[training-nyc.com/courses/autocad-bootcamp](https://training-nyc.com/courses/autocad-bootcamp)



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## Course Outline

This package includes these courses

- Beginner AutoCAD
- Intermediate AutoCAD

### AutoCAD Level 1

#### 1: Getting Started with AutoCAD

- Opening and Creating Drawings
- Exploring the AutoCAD interface
- Zooming and Panning

#### 2: Basic Drawing & Editing Commands

- Using the Mouse, Keyboard, and Enter Key to work quickly and efficiently in AutoCAD
- Lines
- Circles
- Rectangles

#### 3: Projects - Creating a Simple Drawing

- Creating Simple Drawings
- Using Object Snap Tracking to extrapolate a projected top view
- Using Modify tools to arrange an office layout

#### 4: Drawing Precision in AutoCAD

- Polar and Ortho Tracking
- Entering Coordinates and Angles
- Object Snaps and Tracking

#### 5: Making Changes in Your Drawing

- Move

- Copy
- Rotate
- Mirror
- Scale
- Using the reference option with the Scale Tool

## **6: Drawing Templates**

- Using Template Files (.dwt) to Make New Drawing
- Exploring what Settings and Elements are saved with Templates

## **7: Organizing Your Drawing with Layers**

- Layer States
- Properties by Layer
- Layer Tools

## **8: Advanced Object Types**

- Polylines
- Arcs
- Polygons
- Ellipses

## **9: Analyzing Model and Object Properties**

- The Properties Palette
- Quick Select
- Select Similar
- Measure Geometry Tools

## **10: Projects - Drawing Organization & Information**

- Drill Plate
- Furniture Showroom

## **11: Advanced Editing Commands**

- Trim and Extend
- Fillet and Chamfer
- Polyline Edit and Spline
- Offset and Explode
- Join

## **12: Inserting Blocks**

- The Insert Block Command
- Inserting Blocks with Tool Palettes
- Dynamic Blocs
- Migrating Blocks and other Elements between Drawings with Design Center

## **13: Projects - Creating More Complex Objects**

Starting a Floor Plan

## **14: Setting Up a Layout**

- Using Layouts and Viewports

- Scaling Viewports
- Model Space vs. Paper Space in Layouts

### **15: Printing Your Drawing**

- Printing from Layout Tabs
- Printing from the Model Tab

### **16: Projects - Preparing to Print**

Making Layouts for a Banquette Hall

### **17: Text**

- The Multiline Text Tool
- The Single Line Text Tool
- Editing Text
- Text in Model Space vs. Paper Space
- The Multileader Tool

### **18: Hatching**

- The Hatch Command
- The Hatch Editor Ribbon Tab
- Saving and Applying Hatches with Tool Palettes

### **19: Adding Dimensions**

- Using Dimensioning Tools
- Dimensioning in a Layout Tab vs. the Model Tab
- Using Dimension Styles
- Editing Dimensions

### **20: Projects - Annotating Your Drawing**

Dimensioning a Mechanical Drawing

## **Intermediate AutoCAD**

- 1: Working Effectively with AutoCAD
- 2: Accurate Positioning
- 3: Projects - Productivity Tools
- 4: Parametric Drawing
- 5: Working with Blocks
- 6: Projects - Creating and Organizing Blocks
- 7: Creating Templates
- 8: Advanced Layouts
- 9: Annotation Styles
- 10: Projects - Drawing Setup and Utilities
- 11: External References
- 12: Projects - Drawing