

# AutoCAD Beyond the Basics

2 Days | 14 LUs



Two-day, hands-on course going beyond the basic functions in AutoCAD to enhance one's skills and productivity.

Recommended as a continuation of Ideate + IMAGINiT's 3 day Fundamentals training, this course builds on core concepts by introducing more sophisticated tools and techniques. Learn keyboard shortcuts, essential workspace customization and editing functions, as well as the basics of attaching external references, setting up templates, and creating text/dimension/multileader styles.

## COURSE OBJECTIVES

Using Ideate + IMAGINiT's proven instructor-led method, we will increase the efficiency of designers, drafters, modelers, and engineers by enhancing their knowledge of AutoCAD tools and providing them with best practices, tips, and techniques.

To ensure confidence in your new skills, we extend your classroom training with 90 days of free follow-up support on all class material.

## TARGET AUDIENCE

- AutoCAD users who want to do more than basic drawing and editing
- Prior Fundamentals students looking to increase skills and productivity
- CAD Managers and/or AutoCAD power users responsible for creating internal company styles and standards

## PREREQUISITES

- A thorough understanding of all concepts taught in Ideate + IMAGINiT's AutoCAD Fundamentals course
- Knowledge of basic design/drafting concepts, procedures, and terminology
- Knowledge of the Microsoft Windows operating system

Note: This training course is not designed for users of the AutoCAD for Mac software.

## AUTOCAD BEYOND THE BASICS DAY 1

### Working Effectively with AutoCAD

Creating a Custom Workspace  
Using the keyboard effectively  
Object Creation, Selection and Visibility  
Working in Multiple Drawings  
Copying and Pasting Between Drawings  
Using Grips Effectively  
Additional Layer Tools

### Accurate Positioning

Coordinate Entry  
Locating Points with Tracking  
Construction Lines  
Placing Reference Points

### Working with Blocks

Creating Blocks  
Editing Blocks  
Removing Unused Elements  
Adding Blocks to Tool Palettes  
Modifying Tool Properties in Tool Palettes

### Parametric Drawings

Working with Constraints  
Geometric Constraints  
Dimensional Constraints

## AUTOCAD BEYOND THE BASICS DAY 2

### Creating Templates

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

### Annotation Styles

Creating Text Styles  
Creating Dimension Styles  
Creating Multileader Styles

### Advanced Layouts

Creating and using named views  
Advanced Viewport options  
Layer overrides in viewports  
Additional annotative scale features

### External References

Attaching External References  
Modifying External References  
Xref Specific Information

Note: Outlined topics and daily schedule may be modified slightly per instructor's discretion and class structure.

