

## AutoCAD 2012 and AutoCAD LT 2012 Beyond the Basics

### Course Objectives

The primary objective of this course is to teach students the basic commands necessary for professional 2D drawing, design, and drafting using AutoCAD and AutoCAD LT.

After completing this course, students will be able to:

- Navigate the AutoCAD and AutoCAD LT user interfaces.
- Use the fundamental features of AutoCAD and AutoCAD LT.
- Use the precision drafting tools in AutoCAD and AutoCAD LT to develop accurate technical drawings.
- Present drawings in a detailed and visually impressive way.

### Who Should Attend / Prerequisites

This course is designed for new users of AutoCAD or AutoCAD LT. Before taking this course, the student should have a working knowledge of the following:

- Drafting, design, or engineering principles.
- Microsoft® Windows® 7, Microsoft® Windows® Vista or Microsoft® Windows® XP.

### Course Outline

#### **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

#### **Parametric Drawing**

- Working with Constraints
- Geometric Constraints
- Dimensional Constraints

#### **Working with Blocks**

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

#### **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**

- Quick View 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

**Course Duration:** 2 Days (14 Hours)

**Tuition:** \$600.00 / Student