

# AutoCAD – Beyond the Basics



Experience with the topics covered in the [AutoCAD – The Basics course](#) is necessary as this workshop builds on these concepts. Participants are introduced to complex objects and editing methods as well as styles to manage text, dimensions and leaders. Additional text and dimension commands are presented. Techniques for using layouts and viewports to multi-scale, multi-page designs are explored. Participants will create libraries of reusable shapes (blocks) and add changeable text (attributes) to the blocks.

Exercises for the workshop are drawn from a variety of disciplines, including part design, facility layout, architectural drafting and schematics. Participants for each workshop are surveyed to determine their areas of interest and when possible, exercises are tailored to match the needs of the workshop attendees.

Topics in this three day course include:

## Creating complex shapes

- Creating and Editing Polylines
- Working with Regions
- Drawing Ellipses

## Leveraging modify command options

- Using Quick Select
- Trim and Extend command options
- Offset command options
- Fillet and Chamfer command options

## Advanced Annotating

- Creating Bulleted/Numbered Lists
- Arranging Text in Paragraphs
- Creating Chained/Baseline Dimensions
- Creating Ordinate Dimensions
- Editing Dimension Options

## Creating styles

- Creating Text Styles
- Creating Dimensions Styles
- Creating Multileader Styles

## Advanced layer tools

- Creating Layer Filters
- Understanding Layer States
- Layer Walk

## Formatting designs using layouts and viewports

- Creating Layouts
- Setting up Viewports
- Controlling Layers in Viewports
- Working with Multiple Layouts
- Working with Page Setups
- Resolving Scale Issues

## Working with blocks

- Understanding blocks
- Making a block
- Editing a block
- Organizing a Design Center Library
- Creating Dynamic blocks
- Making a block with attributes
- Making an annotative block
- Adding blocks to a tool palette
- Using the Block Attribute Manager
- Exporting a block

Topics and duration may be modified by the instructor based on skill level and knowledge of the participants.