

## AutoCAD Level 2: Intermediate

**Length:** 3 Days

**Summary:** This course incorporates the features, commands, and techniques for becoming more productive when creating, annotating, and printing drawings with AutoCAD. This intermediate-level course continues to build on the basic concepts of the AutoCAD Essentials course. Hands-on exercises are provided in both a printed format as well as an onscreen format that can be viewed next to AutoCAD.

### COURSE CONTENT

#### Lesson 1: Drawing Objects

- Creating and Editing Multilines
- Creating Revision Clouds
- Wipeout Objects
- Boundaries
- Regions
- Creating Ordinate Dimensions
- Creating Geometric Dimensions and Tolerances
- Working with Dimension Substyles and Overrides

#### Lesson 2: Manipulating Objects and Data

- Selecting Objects with Quick Select
- Purging Objects
- Working with Point Objects
- Dividing and Measuring Objects
- Using QuickCalc for Performing Calculations

#### Lesson 3: Template Drawing Creation

- Creating Drawing Templates

#### Lesson 4: Dimensioning and Annotation

- Introduction to Annotation Scaling
- Controlling Annotation Scale
- Working with Text
- Using Multileaders
- Dimensioning
- Creating Center Marks

#### Lesson 5: Reusable Content

- Using DesignCenter
- Creating Custom Tool Palettes
- Organizing Tool Palettes
- Sharing Tool Palettes
- Using External References
- Managing External References
- Referencing Non-Native File Types

#### Lesson 6: Blocks and Attributes

- Working with Blocks
- Creating Attributes
- Editing Attributes

#### Lesson 7: Dynamic Blocks

- Using Dynamic Blocks
- Adding Parameters to Dynamic Blocks
- Adding Actions to Dynamic Blocks

- Using Parameter Sets
- Creating Dynamic Blocks

#### **Lesson 8: Layer Management and Best Practices**

- Working with Layer Filters
- Using the Layer States Manager
- Using Layer Standards

#### **Lesson 9: Layouts and Views**

- Creating Layouts
- Modifying Layouts and Using Page Setups
- Creating Layout Viewports
- Working with Layout Viewports
- Controlling Object Visibility in Layout Viewports

#### **Lesson 10: Plotting**

- Working with Plotter Configuration Files
- Creating and Applying Plot Style Tables
- Publishing Drawings

#### **Lesson 11: Introduction to Sheet Sets**

- Creating Sheet Sets
- Working with Sheet Sets
- Setting Sheet Set Properties
- Using Fields in Sheet Sets
- Using Attributes in Sheet Sets
- Publishing, Transmitting, and Archiving Sheet Sets

#### **Lesson 12: Working with Tables**

- Working with Table Styles
- Creating and Editing Tables
- Creating Advanced Tables
- Extracting Attributes to Tables
- Exporting and Importing Tables
- Creating Tables Linked to External Data