

AutoCAD Fundamentals

AutoCAD Fundamentals starts with proper drawing setup, then progresses to drawing creation tools, standards such as layers, dimension styles, text styles, blocks and other basic but important aspects. Various other commands and functions are covered giving the student excellent overview of what AutoCAD has to offer.

Day 1: Getting Started

- Starting AutoCAD
- AutoCAD's Screen Layout
- Command Line & Using the Keyboard
- Using your pointing device
- Opening an Existing Drawing File
- Drawing lines
- Erasing objects
- Drawing lines with direct distance entry & POLAR
- Drawing rectangles, circles
- Drawing with GRID & SNAP
- Viewing Your Drawing
- Undo & Redo
- Saving your work
- Exiting AutoCAD
- Using Object Snap
- Object snap Overrides
- Selecting objects for editing
- Moving objects
- Copying objects
- Rotating objects
- Scaling objects

Day 2: Organizing Your Drawing

- Creating new drawings with templates
- What are layers?
- Layer state
- Changing an object's layer
- Drawing arcs
- Polylines
- Converting Polylines to Lines & Arcs
- Converting Lines & Arcs to Polylines

Day 3: Advanced Editing Commands, Blocks

- Measuring a Distance
- Measuring an area
- Information about Objects
- Trim
- Extend
- Fillet
- Chamfer

- Offsetting objects
- Mirroring objects
- Creating Arrays of objects
- What are blocks?
- Inserting Blocks
- Using Design Center to Insert Blocks

Day 4: Text, Hatching, Dimensioning

- Adding Multiline Text
- Formatting Multiline text
- Other Text Tools
- Spell Checking
- Hatching
- Editing the Hatch Pattern
- Dimensioning Concepts
- Adding Single Dimensions
- Other Dimension Tools
- Quick Dimension
- Basic Leaders
- Editing Dimensions
- Selecting a Dimension Style

Day 5: Printing Your Drawings

- Printing Concepts
- Working in Layouts
- Creating a New Layout
- Guidelines for Layouts
- PLOT Command
- Plot Settings
- Plot Preview