

AutoCAD – Intermediate Course

Overview

This course is designed for the experienced AutoCAD® user who requires additional training. It 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.

Duration

2 Days (9:30am – 4:30pm) demonstration & practical exercises.

Prerequisites

It is recommended that students have a working knowledge of the current or a previous release of AutoCAD, creating and editing basic AutoCAD objects.

Syllabus

Drawing Objects

Multilines
Revision Clouds
Wipeouts
Boundaries
Regions

Manipulating Objects and Data

Using Quick Select
Purging Objects
Point Objects
Dividing and Measuring Objects
Geometry Calculator

Template Drawing Creation

Using Drawing Templates

Dimensioning and Annotation

Introduction to Annotation Scaling
Controlling Annotation Scale
Using Multileaders
Dimensioning
Center Marks
Ordinate Dimensions
Geometric Dimensioning and Tolerances
Dimension Styles and Overrides

Reusable Content

Using DesignCenter™
Creating Custom Tool Palettes
Managing and Sharing Tool Palettes
Using External References
Importing Other Filetypes

Blocks and Attributes

Blocks
Attributes
Edit and Extract Attributes

Dynamic Blocks

Using Dynamic Blocks
Parameters & Actions
Parameter Sets
Creating Dynamic Blocks

Layer Management and Best Practices

Layer Filters
Layer States Manager
Layer Standards

Layouts and Views

Creating Layouts & Viewports
Modifying Layouts and Using Page Setups
Controlling Object Visibility in Layout Viewports
Controlling Annotation Scales in Viewports

Plotting

Plotter Configuration Files
Plot Style Tables
Publishing Drawings

Introduction to Sheet Sets

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

Creating Tables

Creating and Modifying Tables & Table Styles
Creating Tables from External Data
Advanced Table Contents
Extracting Attributes to Tables
Exporting and Importing Tables

Designing in 3D

Introduction to 3D
Creating Basic Models from 2D Profiles