AutoCAD Advanced

Course Length: 3 days

The AutoCAD Advanced course introduces advanced techniques and teaches you to be proficient in your use of the AutoCAD® software. This is done by teaching you how to recognize the best tool for the task, the best way to use that tool, and how to create new tools to accomplish tasks more efficiently.

Topics Covered

- Advanced Text Objects
- Working with Tables
- Defining dynamic blocks and attributes
- Outputting and publishing files for review
- Collaboration and automation tools
- Creating, publishing, and customizing sheet sets
- Managing Layers
- CAD Management and System Setup
- Enhancing productivity by customizing the AutoCAD interface
- Using macros and custom routines

Prerequisites

Completion of AutoCAD Fundamentals or equivalent.
Training Guide Contents

Chapter 1: Introduction

Chapter 2: Advanced Text Objects

- 2.1 Annotation Scale Overview
- 2.2 Using Fields
- 2.3 Controlling the Draw Order

Chapter 3: Working with Tables

- 3.1 Working with Linked Tables
- 3.2 Creating Table Styles

Chapter 4: Projects - Advanced Annotation

Chapter 5: Dynamic Blocks

- 5.1 Working with Dynamic Blocks
- 5.2 Creating Dynamic Block Definitions
- 5.3 Dynamic Block Authoring Tools
- 5.4 Additional Visibility Options

Chapter 6: Attributes

- 6.1 Inserting Blocks with Attributes
- 6.2 Editing Attribute Values
- 6.3 Defining Attributes
- 6.4 Redefining Blocks with Attributes
- 6.5 Extracting Attributes

Chapter 7: Projects - Advanced Blocks and Attributes

Chapter 8: Output and Publishing

- 8.1 Output For Electronic Review
- 8.2 Autodesk Design Review
- 8.3 Publishing Drawing Sets
- 8.4 Shared Views

Chapter 9: Other Tools for Collaboration

- 9.1 eTransmit
- 9.2 Hyperlinks
- 9.3 Compare Drawings

Course description shown for AutoCAD 2019. Topics, curriculum, and/or prerequisites may change depending on software version.
Chapter 10: Cloud Collaboration and 2D Automation

- 10.1 Connecting to the Cloud
- 10.2 Sharing Drawings in the Cloud
- 10.3 Rendering in the Cloud
- 10.4 Attach Navisworks Files

Chapter 11: Introduction to Sheet Sets

- 11.1 Overview of Sheet Sets
- 11.2 Creating Sheet Sets
- 11.3 Creating Sheets in Sheet Sets
- 11.4 Adding Views to Sheets
- 11.5 Importing Layouts to Sheet Sets

Chapter 12: Publishing and Customizing Sheet Sets

- 12.1 Transmitting and Archiving Sheet Sets
- 12.2 Publishing Sheet Sets
- 12.3 Customizing Sheet Sets
- 12.4 Custom Blocks for Sheet Sets

Chapter 13: Projects - Sheet Sets

Chapter 14: Managing Layers

- 14.1 Working in the Layer Properties Manager
- 14.2 Creating Layer Filters
- 14.3 Setting Layer States

Chapter 15: CAD Standards

- 15.1 CAD Standards Concepts
- 15.2 Configuring Standards
- 15.3 Checking Standards
- 15.4 Layer Translator

Chapter 16: System Setup

- 16.1 Options Dialog Box
- 16.2 System Variables
- 16.3 Dynamic Input Settings
- 16.4 Drawing Utilities
- 16.5 Managing Plotters
- 16.6 Plot Styles

Chapter 17: Introduction to Customization

- 17.1 Why Customize?
- 17.2 Creating a Custom Workspace

Course description shown for AutoCAD 2019. Topics, curriculum, and/or prerequisites may change depending on software version.
Chapter 18: Customizing the User Interface

- 18.1 Using the Customize User Interface (CUI) Dialog Box
- 18.2 Customizing the Ribbon
- 18.3 Customizing the Quick Access Toolbar
- 18.4 Customizing Menus
- 18.5 Keyboard Shortcuts

Chapter 19: Macros and Custom Routines

- 19.1 Custom Commands and Macros
- 19.2 Running Scripts
- 19.3 Action Recorder
- 19.4 Editing Action Macros
- 19.5 Loading Custom Routines

Appendix A: Skills Assessment

Appendix B: AutoCAD Certification Exam Objectives
Cancellation Policy

The following cancellation policy shall apply to all training engagements, Live Online, Consulting Services and Dedicated/Custom Training:

- Company reserves the right to reschedule or cancel the date, time and location of its class at any time. In the event that a Training Class is cancelled by Company, Customer is entitled to a full refund. Company shall not be responsible for any other loss incurred by Customer as a result of a cancellation or reschedule.

- For Customer cancellations when written notice is received (i) at least ten (10) business days in advance of the class, the Customer is entitled to a full refund of its payment or reschedule enrollment, (ii) less than ten (10) business days, Customer shall not be entitled to a refund, but shall receive a class credit to be used within three (3) months of the date of the original class.

- Student substitutions are acceptable with at least two (2) days prior notice to the class, provided substitution meets course prerequisites and is approved by Company’s Training Coordinator (trainingcoordinator@rand.com)

- For all Training orders, cancellation notices must be submitted to trainingcoordinator@rand.com. Company is not responsible for any error in the delivery of the email notice. In the event of any reschedule of Consulting Services and/or Dedicated/Custom Training by Customer, Company will invoice Customer for all non-cancellable travel expenses.

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