

ATC Training: AutoCAD 2009 Intermediate

Course Description

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 2009.

This intermediate course continues to build on the basic concepts of the AutoCAD 2009 Essentials course.

Hands-on exercises throughout the Autodesk Official Training Courseware (AOTC) explore how to create 2D production drawings. The exercises are provided in both a printed as well as an onscreen format that can be viewed next to AutoCAD, if required.

Objective

The primary objectives of this courseware are:

- Ø To teach delegates powerful tools and techniques for drawing, dimensioning, and printing 2D drawings.
- Ø To enable delegates to re-use content that has been previously created, and extract information from their drawings.
- Ø With an understanding of these tools, delegates can begin to streamline the design process and become more productive with AutoCAD 2009.

Who Should Attend

This courseware is designed for the experienced AutoCAD user who wants to learn more about AutoCAD 2009.

Prerequisites

It is recommended that delegates have a working knowledge of:

- Ø At least 6 months experience in the current or previous release of AutoCAD
- Ø Creating and editing basic AutoCAD objects.
- Ø Microsoft® Windows® Vista, Microsoft® Windows® XP or Microsoft® Windows® 2000.
- Ø Have attended the AutoCAD Essentials course (not mandatory).

Note: The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

Course Code: EM0615_ACAD2009INT

Course Duration: 3 days

File Name: TRN_AIT_ATC_ACAD2009_Intermediate_160109_sb_v3

Date: 05 February 2009

Course Outline

Drawing Objects

- Ø Creating and Editing Multilines
- Ø Creating Revision Clouds
- Ø Wipeout Objects
- Ø Boundaries
- Ø Regions

Manipulating Objects and Data

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

Template Drawing Creation

- Ø Creating Drawing Templates

Dimensioning and Annotation

- Ø Introduction to Annotation Scaling
- Ø Controlling Annotation Scale
- Ø Working with Text
- Ø Using Multileaders
- Ø Dimensioning
- Ø Creating Center Marks
- Ø Creating Ordinate Dimensions
- Ø Creating Geometric Dimensions and Tolerances
- Ø Working with Dimension Substyles and Overrides

Reusable Content

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

Blocks and Attributes

- Ø Working with Blocks
- Ø Creating Attributes
- Ø Edit Attributes

Dynamic Blocks

- Ø Using Dynamic Blocks
- Ø Adding Parameters to Dynamic Blocks
- Ø Adding Actions to Dynamic Blocks
- Ø Using Parameter Sets
- Ø Creating Dynamic Blocks

Layer Management and Best Practices

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

Layouts and Views

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

Plotting

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

Introduction to Sheet Sets

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

Working with Tables

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

AIT Spatial Workshops

As an alternative to the standard ATC Intermediate course, we are also able to provide an AutoCAD 2009 Workshop covering a selection of those topics listed above. If you are interested in undertaking an AutoCAD 2009 Workshop, please contact us and we can discuss your bespoke requirements. You may also wish to incorporate items from two, maybe three different course outlines. We can accommodate this easily with a bespoke workshop customised to your needs.