

ATC Training: **AutoCAD 2010 Transitioning from 2009**

Course Description

The rebuilt AutoCAD® 2009 interface includes the ribbon, macro recorder, improved 3D navigation, and other productivity improvements. AutoCAD® 2010 builds on this success with major new 2D and 3D design features that every AutoCAD user has dreamed about.

Using hands-on exercises learn how to use the new parametric constraints to add tremendous design intelligence to 2D geometry and to build extremely powerful dynamic blocks using the same constraint technology. Learn free-form design concepts and how to use the 3D mesh modeling tools to create and document organic designs as well as how to apply the many productivity-improving features such as PDF Underlay, 3D Printing, viewport rotation, and others.

Objective

The primary objective of this courseware is to bring AutoCAD 2009 users up to date with AutoCAD 2010 enhancements.

Who Should Attend

This courseware is designed for the current AutoCAD user who is upgrading to AutoCAD 2010 from the previous release.

Prerequisites

It is recommended that the student have a working knowledge of:

- Ø The current or a previous release of AutoCAD.
- Ø Microsoft® Windows® Vista, Microsoft® Windows® 2000 or Microsoft® Windows® XP.

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_ACAD2010TRA

Course Duration: 1 day

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ATC Training: AutoCAD 2010 Transitioning from 2009Continued

Course Outline

2D Parametric Design

- Ø Parametric Design
- Ø Geometric Constraints
- Ø Dimensional Constraints
- Ø Advanced Exercise – Mechanical
- Ø Advanced Exercise - Architectural

2D Constraint-Based Dynamic Blocks

- Ø Creating Constraint-Based Dynamic Blocks
- Ø Complex Constraint-Based Dynamic Blocks
- Ø Advanced Exercise – Mechanical
- Ø Advanced Exercise - Architectural

Free-Form 3D Design

- Ø Introduction to Free-Form Design
- Ø Basic Mesh Modeling
- Ø Creating Composite Models

Additional Enhancements

- Ø Measure Tools
- Ø Reference Files
- Ø 3D Printing
- Ø User Interface Enhancements

AIT Spatial Workshops

As an alternative to the standard ATC Transitioning from AutoCAD 2009 course, we are also able to provide an AutoCAD 2010 Workshop covering a selection of those topics listed above. If you are interested in undertaking an AutoCAD 2010 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.

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