



AutoCAD Mechanical 2010 Essentials

Course Description: This hands-on foundation course covers the basic AutoCAD Mechanical features. You will learn about the basic features of the AutoCAD Mechanical Drawing, Editing and Dimension tools. This is an instructor-led course and places a heavy emphasis on the use of hands-on exercises.

Prerequisites: This course is designed for users new to AutoCAD Mechanical. It is recommended you have:

- A background in mechanical design. Drafting and design experience is recommended.
- A working knowledge of AutoCAD (AutoCAD Level 1 Training or equivalent industry experience)
- A working knowledge of MS Windows®

Topics:

1. Getting Started

Interacting with the Interface
Common Drawing Setup

2. Object Property and Layer Management

Property Management
Layer Control

3. Organizing Drawing Geometry

Drawing Creation Workflows and Organization
Structuring Data in Drawings
Reusing and editing Structured Data

4. Tools for Creating Key Geometry

Core Design Tools
Power Snaps
Centerlines
Construction Lines
Designing with Lines
Adding Standard Feature Data for Holes and Slots

5. Tools for Manipulating Geometry

Editing Tools
Power Commands
Associative Hide

6. Mechanical Part Generators

Standard Parts
Chain/Belt
Shaft Generator
Springs
Standard Shaft Parts

7. Creating Drawing Sheets

Model Space Views in Layouts
Creating Drawing Sheets in Model Space
Annotation Views When Using Structure
Title Blocks and Drawing Borders

8. Dimensioning and Annotating Your Drawings

Annotating and Annotations Symbols
Creating Dimensions
Editing Dimensions
Hole Charts and Fit Lists
Revision Lists

9. Bill of Materials, Parts Lists, & Balloons

Part References

Bill of Materials
Inserting Parts Lists
Ballooning Parts

10. Design Calculations

Design Calculations

11. Leveraging your Existing Data

DWG Files
IGES Files
Inventor Link

12. Mechanical Options for the CAD Manager

Standard Based Design
Configure Layer, Text, and Object Properties
Configure the Annotation Tools

Duration: 4 Days

Classroom Tuition:
\$1,100.00/student

Group rates are available

Configure Component Properties, BOM, Parts List, and Balloons

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