



Standard Course Offerings

- **AutoCAD Level 1 – Basic (3 Days) Cost:**
A basic, introductory course offering. Teaches essential drafting skills in AutoCAD or AutoCAD LT 2009.
 - **Pre-requisites:**
 - Basic PC & Windows skills
 - **Course Outline:**
 - AutoCAD 2009 User Interface
 - Creating, organising and saving a drawing
 - Controlling drawing views
 - Working with Model and Paper spaces
 - Creating and modifying objects
 - Working with 3D models
 - Annotating drawings
 - Plotting and publishing of drawings
 - Sharing data between drawings and applications
 - Creating realistic images and graphics

- **AutoCAD Level 2 – Advanced 2D (1 Day) Cost:**
Enhances your 2D productivity . A basic overview of the Advanced 2D topics available in AutoCAD 2009.
(Also see AutoCAD Level 2 – Advanced 2D 2-day course, for a more in-depth offering of the same topics)
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Annotation scaling
 - Blocks and Dynamic blocks
 - External references & other formats
 - Tables
 - Plotting and publishing of drawings
 - Sheet Set Manager



- **AutoCAD Level 2 – Advanced 2D (2 Days) Cost:**
**Enhances your 2D productivity (A more in-depth offering than the 1 day course;
(See : A basic overview of the advanced 2D topics, a 1-day offering, above)**
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Annotation scaling
 - Blocks and Dynamic blocks
 - External references & other file types
 - Tables
 - Plotting and publishing of drawings
 - Sheet Sets

- **AutoCAD Level 3 – 3D Modelling (3 Days) Cost:**
Teaches you to draw in 3D and present 2D views of your drawings
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Using the UCS in 3D
 - 3D Modelling and 3D Meshing
 - Solids Creation and Editing
 - 3D Modifying Tools
 - Visualization

- **AutoCAD Update 2008 – 2009 (1 Day) Cost:**
Teaches you the new offerings in 2009.
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - AutoCAD 2009 User Interface
 - Macros and Customization
 - Navigating with View Cube, the Steering Wheel and Show Motion



- **AutoCAD Map (3 Days) Cost:**

Teaches you to use AutoCAD Map in a CAD/GIS environment

- **Pre-requisites:**

- A working knowledge of AutoCAD 2D or a completed Level 1 course.

- **Course Outline:**

- AutoCAD Map 2009 User Interface
- Creating and Editing Coordinate Geometry
- Intelligence in your drawing
- Object Classification
- Importing and Exporting Data
- Working with Raster Images
- Working with Source Drawings
- Querying Source Drawings
- Stylizing Drawings
- Using Topology and Spatial Analysis
- Plotting Map Books
- Workflows

- **AutoCAD Civil 3D**

Teaches you to use AutoCAD Civil in a CAD/GIS environment

- **Pre-requisites:**

- A working knowledge of AutoCAD 2D or a completed Level 1 course.

- **Course Outline:**

- AutoCAD Civil 3D 2009 Environment
- Working with Survey data
- Working with Points
- Creating Surfaces
- Site Design - Parcels
- Site Design - Alignments
- Site Design - Profiles
- Site Design – Assemblies and Grading
- Site Design – Grading and Quantities
- Site Design – Pipes
- Transportation Alignments
- Transportation – Assemblies and Corridors



- Transportation – Sections and Quantities
- Managing Data

- **AutoCAD Revit**
- **AutoCAD Inventor**

Customized Course Offerings

- **AutoCAD Map and Civil 3D Customized Course (4 Days) Cost:**
Teaches you to use AutoCAD Civil in a CAD/GIS environment
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Tool Palettes
 - Survey Data – Import and Store
 - Converting XY Coordinates to Lat-Long
 - Surfaces – Contours with Heights
 - Google Earth – Working with Point Data
 - Walk and Fly
 - Using Coordinate Geometry
 - Drawing Cleanup
 - Drawing Intelligence
 - Database Connections
 - Importing and Exporting Data
 - Object Classification
 - Working with raster images
 - Working with Source Drawings
 - Queries
 - Stylizing Drawings
 - Working with DEM files



Productivity Workshop Offerings (4 Hours) Cost each:

- **Blocks and Dynamic Blocks**
Teaches you to use **Blocks and Dynamic Blocks with attributes to enhance productivity by reducing number of blocks and automating Bill of Quantity generation.**
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Creating Blocks and Adding Attributes
 - Using Dynamic Blocks, Parameters and Actions
 - Parameter Sets
 - Creating Dynamic Blocks

- **Setting Standards**
Teaches you how to create standards within your organization
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Standard Layers and Layer Manager
 - Dimension and Text Styles
 - Drawing Templates
 - Using Blocks and Attributes
 - Introduction to Sheet Set Manager

- **Productivity Enhancer (Achieve a 50% increase in productivity) (1 Day)**
Teaches you how to be more productive using **AutoCAD 2009**
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Tool Palettes



- **Managing Large Projects (1 Day)**

Teaches you to use the Sheet Set Manager and other collaboration tools

- **Pre-requisites:**

- A working knowledge of AutoCAD 2D or a completed Level 1 course.

- **Course Outline:**

- Sheet Set Manager
- DesignCenter
- Tool Palettes
- Importing, exporting and publishing drawings
- External References

- **External References and Other File Formats**

Teaches you to use external references and other file formats

- **Pre-requisites:**

- A working knowledge of AutoCAD 2D or a completed Level 1 course.

- **Course Outline:**

- Importing, exporting and publishing drawings
- External References

- **Tables and Excel**

Teaches you to use Tables and Excel tables – a must for automating Bill of Quantities

- **Pre-requisites:**

- A working knowledge of AutoCAD 2D or a completed Level 1 course.

- **Course Outline:**

- Internal Tables
- Excel Tables

- **Fields**

Teaches you to use fields in your drawing templates

- **Pre-requisites:**

- A working knowledge of AutoCAD 2D or a completed Level 1 course.

- **Course Outline:**

- Fields



- **Adding Intelligence To Your Drawings**
Teaches you to use attributes and fields
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Attribute creation for your blocks
 - Fields

- **Collaboration (1 Day)**
Teaches you the tools to use when operating in a multi disciplinary, multi-product environment.
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Importing and exporting file types
 - External References
 - Blocks
 - Publishing
 - Sheet Sets

- **Automating Repetitive Tasks**
Teaches you to use the Macro facility in AutoCAD
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Macros

- **Tool Palettes, DesignCenter**
Teaches you to use palettes and DesignCenter
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Tool Palettes
 - DesignCenter



- **Customizing Your User Interface**
Teaches you to customize your user interface to suit your drawing needs
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Customizing Your User Interface

- **Annotation Scaling**
Teaches you to use annotation scaling. For anyone that needs to create viewports at different scales
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Annotation scaling

- **Coordinate Systems in AutoCAD**
Teaches you to use AutoCAD in a CAD/GIS environment.
 - **Pre-requisites:**
 - A working knowledge of AutoCAD 2D or a completed Level 1 course.
 - **Course Outline:**
 - Working with GIS data and coordinate systems in AutoCAD