

Department of Corporate Training

AutoCad Level 1

This course provides an introduction to the use of AutoCAD software. It includes a review of computer hardware and software used in an automated drafting environment; concepts of how a drawing is stored and manipulated by the computer; commands necessary to do engineering and architectural drawings. The course is designed to give users a general overview of AutoCAD and understand the possibilities AutoCAD offers. Hands-on projects include geometric construction, various projections, sections, auxiliaries, dimensioning, sketching, and detail drawing that is practiced and applied using proper AutoCAD procedures.

Topics:

- Introduction to AutoCAD
- Controlling the Drawing Display
- Basic Drawing Commands
- Drawing Aids and Drafting Settings
- Managing Object Properties
- Basic Editing Techniques
- Adding Text and Tables
- Dimensioning Drawings

Learning Outcomes:

At the end of the course students will be able to:

- Use AutoCAD's environment settings, drawing aids, shortcuts, and other features in a given setting.
- Use the CAD workstations components, including the computer, input/pointing device and output/hard copy device.
- Apply AutoCAD to specific drafting disciplines and given settings.
- Produce colored drawings by AutoCAD's layering techniques.
- Apply AutoCAD commands and procedures to draw and dimension objects with given setting.
- Develop parameters for engineering and architectural CAD drawings.

8 Hours of Education