



BELL INSTITUTE OF TECHNOLOGY

LOTUS House, 3rd floor, Tom Mboya/ Haille Sellasie
 Avenue Junction. , Tel 020 316979 Cell: 0721 992065
 Email: info@bellinstitute.ac.ke, www.bellinstitute.ac.ke

**Duration: 30 Hrs (3 weeks at 2 hrs per Day or One week at 4 Hrs per Day
 or 1 week at full day Training) . Corporate
 Organization training also available**

COST: 7, 000 at our Training Centre Reg Fee: 500/= Onetime payment.

Training is vital for the effective use of any software. Properly trained users will have increased productivity and will gain greater confidence with the software. It is a worthwhile investment to train new users to overcome their initial hesitancy and existing users to increase their depth of knowledge. The AutoCAD course has been designed by experts for anyone new to AutoCAD. No matter what background you are coming from AutoCAD Training gives you the confidence to work on projects immediately upon your successful completion of the course. AutoCAD is typically used by all Engineering fields.

AUTOCAD COURSE OUTLINE

SESSION	SESSION CONTENT
Working Effectively with AutoCAD	<ul style="list-style-type: none"> • Creating a Customer Workspace • Using the Keyboard Effectively • Object Creation, Selection, and Visibility • Working in Multiple Drawings • Copying and Pasting Between Drawings • Adding Layer Tools
Accurate Positioning	<ul style="list-style-type: none"> • Drawing Lines • Coordinate Entry • Locating Points with Tracking • Construction Lines • Placing Reference Points

Creating Templates	<ul style="list-style-type: none"> •Why Use Templates •Controlling Units Display •Creating New Layers •Adding Standard Layouts to Templates •Saving Templates
Advanced Layouts	<ul style="list-style-type: none"> •Creating and Using Named Views •Advanced Viewport Options •Layer Overrides in Viewports •Additional Annotative Scale Features
Annotation Styles	<ul style="list-style-type: none"> •Creating Text Styles •Creating Dimension Styles •Creating Multileader Styles
Working with Blocks	<ul style="list-style-type: none"> •Creating Blocks •Editing Blocks •Removing Unused Elements •Adding Blocks to Tool Palettes •Modifying Tool Properties in Tool Palettes •Modifying Tool Properties
project Creating and Organizing Blocks	<ul style="list-style-type: none"> •Mechanical Projects –Control Panel •Architectural Project Furniture Layout •Civil Project -Utility Layout
Introduction to AutoCAD - Interface - Navigating a Drawing	<ul style="list-style-type: none"> • Launching AutoCAD • The Working Environment • Navigating AutoCAD • Working with AutoCAD Files • Dynamic Input • Displaying AutoCAD Objects • Dashboard • Basic Drawing Functionality • Data Input • Creating Basic Objects • Object Tracking • Polar Tracking • Object Snaps • ACAD Function Keys
Basic Drawing Tools	<ul style="list-style-type: none"> • Intro to CAD, Intro to AutoCAD

	<ul style="list-style-type: none"> • Precision Drawing & Drawing Aids • Geometric Shapes • Basic Printing • Editing Tools • Architectural Views & Drafting Views • 3D modeling with AutoCAD (Surfaces, Solids) • 3D Modeling with SketchUp • Annotating in AutoCAD with Text & Hatching • Layers • Templates & DesignCenter • Advanced plotting (Layouts, Viewports), Office Standards • Dimensioning • Internet and collaboration <p>Blocks, Drafting symbols, Attributes, Extracting data (as time allows)- Lines, Circles, Rectangles</p> <ul style="list-style-type: none"> • Polar Tracking • -Erasing Objects • -Creating a Simple Drawing
Drawing Precision	<ul style="list-style-type: none"> - Object Snaps - Polar Tracking Options - Object Snap Tracking - Snap and Grid Settings
Making Changes	<ul style="list-style-type: none"> - Move and Copy - Rotate and Scale - Mirror - Grip Editing
Drawing Organization -	<ul style="list-style-type: none"> Templates - Units - Layers - Controlling Layer States
Advanced Object Types	<ul style="list-style-type: none"> - Arcs - Polylines - Polygons - Ellipses
Customizing AutoCAD	<ul style="list-style-type: none"> • Customizing Commands, Toolbars, Tool

	<p>Palettes and Dashboard</p> <ul style="list-style-type: none"> • Customising Menus <p>Creating Macros and Slide Shows</p> <ul style="list-style-type: none"> • Creating Linetypes and HatchPatterns • Creating Shapes and Fonts • Workspaces • Loading Routines and Applications
Collaboration Concepts	<ul style="list-style-type: none"> • Publish to Web • DWF Files • Markups • Working with Internet Content • Object Hyperlink • Exporting AutoCAD Data • Drawing Security
Advanced Editing	<ul style="list-style-type: none"> • Trim and Extend • Stretching Objects • Fillets and Chamfers • Offset and Array
Setting Up a Layout	<ul style="list-style-type: none"> • Printing Concepts • Working in Layouts • Copying Layouts • Creating Viewports • Printing Layouts • Printing from Model Space
Adding Text	<ul style="list-style-type: none"> • Modifying Text • Adding Leaders • Creating Tables
Hatching -	<ul style="list-style-type: none"> • Creating Hatches • Modifying Hatches
Dimensions	<ul style="list-style-type: none"> • Linear Dimensions • Radial and Angular Dimensions • Editing Dimensions

Project: You will select a Project as per your Professional Background. (Civil, Mechanical, Survey, Planning, Electrical, Interiors, Architectural, Geospatial, Public health, etc)