



AUTODESK/AUTOCAD TRAINING

Autodesk Autocad 2d Essential

Master essential 2D AutoCAD skills to create precise technical drawings and designs for engineering and architecture projects.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

The Autodesk AutoCAD 2D Essential course is meticulously designed to equip aspiring and intermediate design professionals with a robust foundation in 2D drafting using the industry-standard AutoCAD software. This comprehensive program delves into the core functionalities of AutoCAD, focusing on precision drawing, efficient editing, and effective organization of design data. Participants will gain hands-on experience with fundamental tools for creating, modifying, and managing two-dimensional technical drawings crucial for various engineering, architectural, and manufacturing disciplines. This course is ideal for those looking to build a strong practical skillset in computer-aided design.

Level	Intermediate
Vendor	Autodesk/AutoCAD

COURSE CURRICULUM

01 Module 1: Getting Started with AutoCAD 2D

- Introduction to the AutoCAD Interface
- Understanding the Ribbon and Palettes
- Basic Navigation and Viewing Commands (Pan, Zoom, Orbit)
- Opening, Saving, and Managing Drawings
- Setting Up Drawing Units and Limits

02 Module 2: Basic Drawing and Editing Commands

- Creating Lines, Polylines, Circles, Arcs, and Rectangles
- Using Drawing Aids: Grid, Snap, Ortho, Polar Tracking
- Basic Object Selection Methods
- Editing Commands: Erase, Move, Copy, Rotate, Scale
- Introduction to Trim, Extend, Fillet, and Chamfer

03 Module 3: Precision Drafting Techniques

- Utilizing Object Snaps (Osnaps): Endpoint, Midpoint, Center, Intersection
- Object Snap Tracking and Polar Tracking for Accurate Placement
- Working with Coordinates: Absolute, Relative, and Polar
- Creating Construction Lines and Rays
- Introduction to Offset and Array Commands

04 Module 4: Organizing Drawings with Layers and Blocks

- Understanding and Managing Layers (Creating, Renaming, Properties)
- Controlling Layer Visibility, Lock Status, and Plotting
- Creating and Inserting Blocks for Reusable Content
- Working with Dynamic Blocks (Introduction)
- Using Block Attributes for Information Management

05 Module 5: Annotating and Dimensioning

- Adding Single Line and Multiline Text (MTEXT)
- Creating and Modifying Text Styles
- Applying Linear, Aligned, Angular, Radial, and Diameter Dimensions
- Working with Dimension Styles and Overrides
- Adding Leaders and Multileaders
- Creating Tables for Schedules and Bills of Materials

06 Module 6: Layouts, Plotting, and Publishing

- Understanding Model Space vs. Paper Space Layouts
- Creating and Configuring Layouts
- Using Viewports to Display Model Content
- Setting Plot Scales and Page Setup Manager
- Plotting Drawings to PDF or Physical Printers
- Introduction to Publishing Multiple Sheets

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior CAD Technician (Architecture/Engineering)**
- > **Drafting Assistant (Mechanical/Electrical)**
- > **Architectural Drafter**

FREQUENTLY ASKED QUESTIONS

Q: How will completing the Autodesk AutoCAD 2D Essential course enhance my employability in the architectural or engineering sectors?

Mastering AutoCAD 2D is a fundamental requirement across various design and drafting roles. This course will make you proficient in creating precise technical drawings, a skill highly sought after by architectural firms, civil engineering companies, and manufacturing industries. You'll be able to contribute immediately to projects requiring accurate blueprints, plans, and schematics, significantly boosting your resume for entry-level CAD Technician or Drafter positions.

Q: What prior technical skills or software experience are recommended before enrolling in the AutoCAD 2D Essential course?

While this course is designed for beginners to AutoCAD, a basic understanding of computer operations and familiarity with a Windows operating system environment is highly recommended. No prior CAD software experience is required, but a foundational grasp of geometric concepts and technical drawing principles will be beneficial for a smoother learning experience.

Q: Beyond basic drawing, what specific advanced 2D drafting techniques will I master in this essential course that are critical for professional projects?

This course goes beyond simple line drawing. You will gain proficiency in critical techniques such as precision drawing using Object Snaps and Tracking, effectively organizing complex drawings with layers and reusable blocks, applying industry-standard dimensioning and annotation, and preparing drawings for professional output through layouts and plotting. These skills are crucial for ensuring accuracy, consistency, and efficient collaboration on real-world design projects.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke