



AUTODESK/AUTOCAD TRAINING

Autodesk Autocad

Master intermediate AutoCAD skills to create precise 2D and 3D technical drawings and professional designs for various industries.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate Autodesk AutoCAD course is meticulously designed to elevate the skills of drafting professionals, engineers, architects, and designers who already possess foundational knowledge of AutoCAD. You will delve deep into advanced 2D drafting techniques, master sophisticated annotation tools, and learn robust methods for organizing and managing complex design data. The curriculum focuses on enhancing precision, efficiency, and collaborative capabilities, transforming your ability to produce high-quality, industry-standard drawings.

Participants will gain expertise in leveraging AutoCAD's powerful features, including dynamic blocks, external references (Xrefs), advanced dimensioning styles, and comprehensive layout and plotting strategies. By mastering these core technologies, you will significantly improve your workflow, reduce design errors, and streamline project delivery. This course is a crucial step for professionals aiming to solidify their technical expertise, tackle more intricate projects, and position themselves as highly valuable assets in competitive design and engineering environments.

Level	Intermediate
Vendor	Autodesk/AutoCAD

COURSE CURRICULUM

01 Module 1: Precision Drawing and Advanced Object Manipulation

- Creating complex geometric shapes and curves with Polylines and Splines
- Mastering advanced editing commands: Stretch, Scale, Array (associative), Mirror, Rotate
- Utilizing advanced object snaps, tracking, and polar tracking for ultimate precision
- Understanding and applying selection sets for efficient object management

02 Module 2: Comprehensive Annotation and Dimensioning

- Developing and managing text styles and multiline text objects
- Implementing advanced dimensioning techniques including ordinate, angular, and arc length dimensions
- Creating and modifying custom dimension styles to meet project standards
- Applying hatch patterns, gradients, and tables for detailed documentation

03 Module 3: Organizing and Managing Design Data

- Effective layer management strategies, including layer filters and states
- Creating, inserting, and managing blocks, including dynamic blocks for flexibility
- Working with block attributes for data extraction and reporting
- Leveraging external references (Xrefs) for collaborative projects and large datasets

04 Module 4: Layouts, Plotting, and Project Output

- Distinguishing between Model Space and Paper Space for optimal workflow
- Setting up multiple layouts with viewports and scale annotations
- Configuring plot styles (CTB and STB) for professional-grade output
- Publishing drawings to various formats (PDF, DWF) and utilizing sheet sets

05 Module 5: Productivity Enhancements and Customization

- Utilizing User Coordinate Systems (UCS) for complex orientations
- Employing inquiry tools for design validation and area calculations
- Customizing the AutoCAD user interface (CUI) and tool palettes for personalized efficiency
- Introduction to DesignCenter for content management and reuse
- Best practices for drawing management, auditing, and maintaining drawing integrity

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Architectural Drafter specializing in construction documentation and BIM support**
- > **Civil Engineering Technician focused on infrastructure design and mapping projects**
- > **Mechanical Design Assistant creating detailed manufacturing and assembly drawings**

FREQUENTLY ASKED QUESTIONS

Q: What foundational AutoCAD knowledge is recommended before enrolling in this intermediate course?

This intermediate Autodesk AutoCAD course assumes prior familiarity with basic AutoCAD commands such as line, circle, trim, extend, and a general understanding of the AutoCAD interface and drafting principles. Participants should be comfortable creating simple 2D drawings and navigating model space, as the course will quickly delve into more advanced functionalities rather than reviewing absolute basics.

Q: What types of complex 2D design projects will I be able to confidently undertake after completing this course?

Upon successful completion, you will be equipped to handle intricate 2D design projects across various disciplines. This includes creating detailed architectural floor plans with annotated dimensions, developing precise mechanical part drawings with multiple views and tolerances, drafting comprehensive civil site layouts with Xrefs, and generating professional-grade electrical schematics, all while adhering to industry best practices for organization and output.

Q: How does mastering intermediate AutoCAD skills through this certification specifically enhance my career prospects as a CAD professional?

Mastering intermediate AutoCAD skills through this certification significantly elevates your value in the AEC and manufacturing sectors. You will move beyond basic drafting to become a highly efficient CAD operator capable of managing complex drawing sets, implementing dynamic blocks for repetitive tasks, utilizing Xrefs for collaborative projects, and producing accurate, professional documentation. This proficiency directly translates to increased productivity, better project management capabilities, and opens doors to roles requiring more responsibility in design and drafting teams.

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.

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