



AUTODESK/AUTOCAD TRAINING

Autodesk Online

Master Autodesk software online. Learn advanced AutoCAD techniques and design like a pro from anywhere.

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-level Autodesk Online course is meticulously designed to elevate your proficiency in AutoCAD, the industry-standard software for 2D and 3D computer-aided design. Building upon foundational knowledge, participants will delve into advanced drafting techniques, sophisticated annotation methods, and the fundamentals of 3D modeling. You'll master essential commands and features that streamline design workflows, enhance precision, and facilitate professional project documentation across various disciplines.

By completing this course, you will significantly boost your technical drawing capabilities, enabling you to tackle more complex design challenges with confidence. You'll gain practical experience in creating detailed technical drawings, managing drawing data, and preparing designs for presentation and fabrication. This enhanced skill set is invaluable for professionals looking to optimize their design process, increase productivity, and become indispensable assets in architectural, engineering, and manufacturing environments, ultimately opening doors to specialized design and drafting roles.

Level	Intermediate
Vendor	Autodesk/AutoCAD

COURSE CURRICULUM

01 Module 1: Advanced 2D Drafting and Editing

- Advanced object selection and modification techniques
- Working with polylines, splines, and multiline objects
- Efficient use of grips for editing and reshaping geometry
- Creating and modifying complex hatch patterns and gradients
- Customizing linetypes, lineweights, and transparency settings

02 Module 2: Annotation, Dimensions, and Layout Management

- Mastering dimension styles, overrides, and associative dimensions
- Creating and managing multileaders, tables, and data links
- Working with text styles, fields, and annotative scaling
- Setting up and managing multiple layouts (paperspace) and viewports
- Utilizing plot styles (CTB/STB) for professional output

03 Module 3: Introduction to 3D Modeling Fundamentals

- Understanding User Coordinate Systems (UCS) for 3D navigation
- Creating basic 3D solids, surfaces, and meshes from 2D objects
- Extruding, revolving, sweeping, and lofting techniques
- Applying Boolean operations (Union, Subtract, Intersect) for complex shapes
- Basic visual styles, camera views, and dynamic UCS

04 Module 4: Blocks, External References, and Data Management

- Creating and inserting dynamic blocks with parameters and actions
- Managing attributes within blocks and extracting data
- Attaching and managing External References (XREFs) for collaborative projects
- Using Sheet Set Manager for efficient project organization and plotting
- Data extraction and linking to external data sources

05 Module 5: Plotting, Publishing, and Collaboration Tools

- Configuring plotters, plot styles, and page setups

- Plotting to different output formats (PDF, DWF, physical printer)
- Publishing multiple sheets and sheet sets
- Sharing designs and collaborating using Autodesk cloud services
- Utilizing DWF markups and revision tools

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Architectural Drafter specializing in Building Information Modeling (BIM) support and documentation**
- > **Civil Engineering CAD Technician for infrastructure, land development, and site utility projects**
- > **Mechanical Product Design Assistant focused on detailed component drawings and assembly documentation**

FREQUENTLY ASKED QUESTIONS

Q: What are the prerequisites for enrolling in this intermediate Autodesk Online course?

To ensure you gain the most from this intermediate course, it is highly recommended that participants have a foundational understanding of AutoCAD. This includes familiarity with basic drawing and editing commands, object snapping, layers, coordinate systems, and creating simple 2D drawings. Prior hands-on experience with AutoCAD software is essential.

Q: How will the skills learned in this Autodesk Online course directly impact my efficiency in real-world design projects?

This course focuses on practical, intermediate-level techniques designed to significantly boost your project efficiency. You'll master advanced block management, efficient data referencing, automated plotting processes, and streamlined annotation. These skills enable you to produce complex, accurate drawings faster, reduce manual errors, and collaborate more effectively, leading to quicker project turnarounds and higher quality deliverables in a professional setting.

Q: Will this course cover any specific industry standards or best practices for AutoCAD usage in fields like architecture or mechanical design?

While the course provides a broad understanding of intermediate AutoCAD functionalities applicable across industries, it strongly emphasizes best practices for clean drawing organization, layer management, proper annotation, and data integrity, which are foundational to all professional drafting. Specific examples and exercises will often be drawn from architectural, civil engineering, and mechanical contexts to illustrate practical application and prepare you for common industry-specific demands and workflows.

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+

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READY TO ENROL?

Take the next step in your technology career.

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