AutoCAD
Course

Program/Course Outline

▶ Introduction

Welcome to our AutoCAD Mastery Course, where you'll unlock the full potential of AutoCAD for design and drafting.

Whether you're a beginner or a seasoned professional, this course offers a comprehensive journey into AutoCAD's capabilities.

Throughout this course, you'll learn through a blend of hands-on exercises, step-by-step tutorials, and real-world applications.

We'll cover everything from AutoCAD's interface and fundamental drawing commands to advanced techniques, 3D modeling, and rendering. You'll gain proficiency in dimensioning, annotations, and creating professional-quality drawings.

Our instructors are experienced CAD experts, ready to guide you at every step. You'll also have access to a supportive learning community, ensuring that your questions are answered and your progress is smooth.

By the end of this course, you'll have the skills and confidence to create intricate designs and drawings, making you a valuable asset in any industry that relies on CAD.

Don't miss this opportunity to elevate your AutoCAD skills and advance your career. Join us today!

▶ Our Values

Learner-Centric Approach

Our prime focus remains steadfastly on our learners, making them the nucleus of our mission.

Meaningful Contribution

We strive to shape the future significantly by nurturing the bright minds that will lead tomorrow.

Embrace Ambition

We foster grand thinking, encouraging our students to not just dream, but dream big.

Cultivate Growth

We champion a culture of perpetual learning, adapting and playing an active role in the landscape of the future.

▶ Is this program suitable for you?

- People aged 16 or older

- People who are passionate about new technologies

- People who wishing to consolidate the skills acquired at career or work.

- Students wishing to consolidate the skills acquired at university or high school.
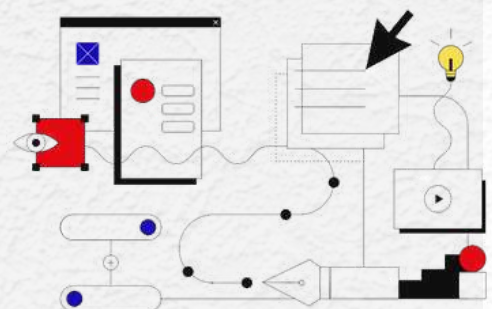
▶ Some prerequisites

- Motivation and rigour.
- Autonomy
- Basics computer skills
- Laptop

▶ The takeaways
of this program

01 Foundational Skills: Master AutoCAD's interface, basic commands, and drawing techniques to create accurate designs confidently.

02 Advanced Proficiency: Elevate your skills with precision editing, 3D modeling, and rendering for complex projects.

03 Professional Documentation: Learn dimensioning, annotations, and layouts to produce polished, industry-standard drawings.

04 Efficiency & Collaboration: Discover time-saving techniques and collaborative workflows for productive design teams.

05 Real-World Application: Apply your knowledge to a comprehensive project, showcasing your capabilities in a practical setting.

06 Career Advancement: Gain the expertise employers seek and open doors to exciting opportunities in design and drafting.
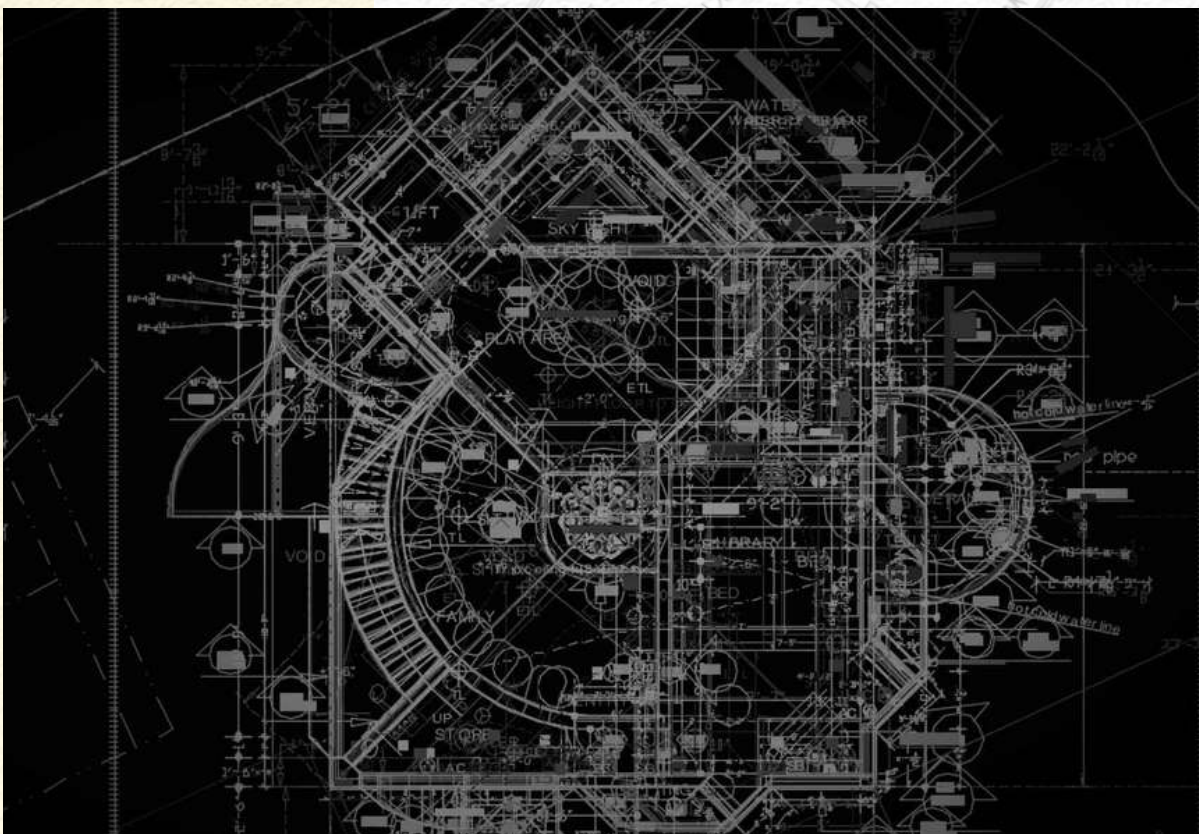
2023

▶ Module 1

Introduction to AutoCAD and
Basic Drawing Commands

- Introduction to AutoCAD and its interface
- Setting up a new drawing
- Basic drawing commands (Line, Circle, Rectangle, Arc, etc.)
- Object selection and manipulation
- Layers and properties
- Saving and opening AutoCAD files

▶ Module 2

**Advanced Drawing Techniques
and Editing Commands**

- Advanced drawing techniques (Polyline, Hatch, Spline, etc.)
- Precision drawing and object tracking
- Editing commands (Move, Copy, Rotate, Scale, Trim, Extend, etc.)
- Grips and their functions
- Using the Offset and Mirror commands

▶ Module 3

Dimensioning and Annotations

- Adding dimensions (Linear, Angular, Radial, Diameter, etc.)
- Editing and formatting dimensions
- Creating text and annotations
- Multileader and text styles
- Dimension styles and standards

▶ Module 4

Working with Layouts and Plotting

- Creating and managing layouts
- Setting up viewports and scales
- Page setups and plotting configurations
- Plotting and printing drawings
- Exploring Raster Images
- Importing and attaching raster images (JPEG, PNG, TIFF, etc.)
- Adjusting image properties and placement

▶ **Module 5**

3D Modeling and Visualization

- Introduction to 3D modeling in AutoCAD
- Creating 3D objects (Extrude, Revolve, Loft, Sweep, etc.)
- Editing 3D objects
- Viewing and navigating in 3D space
- Adding materials and textures
- Basic rendering and visualization

▶ Module 6

Advanced Topics and Project Work

- Advanced AutoCAD features and customization
- Dynamic blocks and attributes
- Parametric design
- Collaborative work and file sharing
- Best practices for efficiency and organization

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B▲HRAIN

Module 6

▶ Your Portfolio Journey

Start a course with us and instantly commence your personal portfolio. Over three months, observe it bloom, mirroring your budding skills and imagination.

This portfolio isn't just a career ladder—it's a timeless memento of your achievements. A self-reflection tool, it enables revisiting your growth, kindling the drive for continuous betterment.

We highlight your portfolio on our website for a lifetime. Showcase your journey and creations to the world and relish in the pride of being part of Our institute.

Remember, your portfolio symbolizes your dedication, resilience, and creativity. We at Our institute eagerly await the extraordinary story you'll weave. Your portfolio is more than a collection—it's your launchpad for global influence. Join us in this memorable journey!

Webpage

Printable PDF

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