Modern Architectural Design with AutoCAD for Beginners Training Course



15 - 19 Nov 2026

Dubai

4800 € (Per Person)

Ref: #CAD4587_214691

Course Introduction / Overview:

This training course is designed to equip aspiring architects, design students, and drafting professionals with the strategic and technical skills needed to master architectural design with AutoCAD. The ability to create precise, clear, and professional drawings is a critical factor for successful project execution, from conceptual sketches to final construction documents. This program, offered by BIG BEN Training Center, provides a comprehensive framework for understanding the core principles of architectural drafting, from various 2D drafting techniques and layer management to plotting and publishing. We will explore key concepts such as CAD standards, annotation, and the use of external references (Xrefs). The curriculum is informed by the academic work of authors like Francis D. K. Ching, whose book, Architectural Graphics, provides a foundational and detailed understanding of the principles behind effective architectural representation. This course goes beyond a simple overview of software to provide a deep understanding of how to implement real-world solutions that ensure drawing accuracy, operational efficiency, and project profitability. We prepare participants to be leaders who can build more efficient and innovative design initiatives.

Target Audience / This training course is suitable for:

- Architectural and design students.
- Junior architects.
- Interior designers.
- Drafting technicians.
- Civil and structural engineers.
- Urban planners.
- Real estate developers.
- Government agencies and equivalents.

Target Sectors and Industries:

- Architecture and Design.
- Construction.
- Real Estate and Land Development.
- Interior Design.
- Civil Engineering.
- Urban Planning.
- Facilities Management.
- Government and public administration agencies.

Target Organizations Departments:

- Architecture.
- Design and Drafting.
- Engineering.
- Project Management.
- Planning and Development.
- Construction Management.
- Facility Management.
- Operations.

Course Offerings:

By the end of this course, the participants will have able to:

- Apply foundational AutoCAD principles.
- Master various 2D drafting techniques.
- Perform drawing setup and plotting.
- Utilize a professional CAD standard.
- Manage layers and objects.
- Create and modify professional architectural drawings.
- Work with annotation and dimensions.
- Collaborate on a shared project.

Course Methodology:

This training course uses a highly practical and case-study driven methodology. The program is built on real-world examples of successful architectural projects. Participants will work in teams to design a simple floor plan and elevations for a hypothetical building, applying the tools and frameworks learned in the course. We will use interactive workshops to practice skills like creating a custom block and setting up a professional drawing sheet. The curriculum is designed to be a collaborative experience where participants can share their unique challenges and innovative solutions. Our trainers, with extensive experience in the field, will provide direct feedback and guidance throughout the course. BIG BEN Training Center is committed to providing a dynamic and practical learning environment, ensuring that participants leave with the skills and confidence to effectively perform architectural drafting tasks.

Course Agenda (Course Units):

Unit One: Foundations of AutoCAD

- Introduction to AutoCAD for architectural design.
- Understanding the user interface.
- The principles of 2D drafting techniques.
- The importance of CAD standards.
- Case studies in drawing management.
- Navigating the workspace.
- Project setup and units.

Unit Two: Drawing and Editing Commands

- Mastering basic drawing commands.
- Using advanced editing commands.
- Creating and using blocks and groups.
- Working with layers and lineweights.
- The role of layer management.
- Ensuring drawing accuracy.
- Best practices for efficient workflow.

Unit Three: Annotation and Dimensions

- The importance of annotation.
- Adding text and multiline text.
- Working with dimensions and leader lines.
- Creating and editing tables.
- Using multileader for callouts.
- Setting up a professional annotation style.
- Ensuring consistent documentation.

Unit Four: Plotting and Publishing

- Understanding plotting and publishing.
- Configuring a page setup.
- Working with viewports.
- Scaling drawings accurately.
- Creating a PDF or DWF file.
- Plotting to a physical printer.
- Ensuring a final professional product.

Unit Five: Strategic Application and Collaboration

- The role of external references (Xrefs).
- Collaborating on a shared project.
- Managing a project file structure.
- Workflow optimization.
- The future of architectural design.
- Building a culture of documentation.
- The value of a professional drawing set.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

How can a deeper understanding of architectural design with AutoCAD for beginners and a proactive approach to CAD standards empower professionals to move beyond simple sketching and become strategic leaders in creating more accurate, collaborative, and innovative design documentation?

What unique qualities does this course offer compared to other courses?

This training course is unique because it provides a dedicated, strategic focus on architectural design with AutoCAD for beginners. While other programs may cover general software use, our curriculum is designed to empower professionals with the specific skills needed to address the unique challenges of creating professional architectural drawings, from mastering 2D drafting techniques to ensuring CAD standards. The program is a hands-on experience, with exercises that directly simulate the challenges and decisions involved in a real-world architectural project. We go beyond theoretical concepts to provide a clear, actionable roadmap for balancing the demands of a complex project with the imperative of delivering a successful and well-documented outcome. This course is for professionals who want to lead their organizations toward a more efficient, profitable, and innovative future.