MERCURY

CAD Technical Drawing Drafting & Planning Skills Course

21 – 25 December 2026
Madrid (Spain)



Dubai - UAE: +971 4 450 5697
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Ref: 9020_284325 **Date:** 21 – 25 December 2026 **Location:** Madrid (Spain) **Fees:** 6200 Euro

Introduction:

Drafters make product and building ideas a reality. They create the working drawings used in the fast-paced product, building, and subdivision development. Chemeketa's drafting technology program prepares you for these jobs with training on the latest software, such as AutoCAD, which is essential for earning a CAD certificate.

According to the U.S. Bureau of Labor Statistics, jobs in drafting are expected to grow by nine percent. Increased construction and the need to improve the nation's infrastructure should add to the demand for drafters, especially those who have completed comprehensive CAD training or auto CAD training.

Targeted Groups:

- Drafters Architectural, Interior, Design.
- Civil Engineers.
- Mechanical Engineers.
- Engineers in general.
- Cartographers Maps.
- Architects.

Course Objectives:

At the end of this CAD course, participants will be able to:

- Create accurate 2D and 3D drawings using CAD software.
- Make architectural drawing sets for planning division approval, enhancing CAD planning drawing skills.
- Make structural drawing sets to industry standards, underscoring the importance of CAD drafting certification.
- Be effective as a team member in researching data and creating drawings, strengthening CAD drafting and drawing capabilities.
- Make civil drawings for planning division approval, including streets, lots, and subdivision utilities.
- Making mechanical drawing sets, including detailed and assembly drawings of parts, is a crucial aspect of CAD drafting training.

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Targeted Competencies:

At the end of this CAD course, target competencies will be able to:

- Mechanical Drafting.
- Print Producing.
- CADD Designing.
- Tool and Die Designing.
- Urban Planning.
- Construction Management.

Understanding CAD Drafting, Drawing, and Planning Training:

Certified CAD drafting, drawing, and planning training equips individuals with essential computer-aided design CAD skills in drafting and planning. This comprehensive course covers CAD fundamentals, technical drawing, and project planning using industry-standard software.

By mastering CAD, participants gain proficiency in creating precise and detailed drawings, understanding design principles, and executing architectural and engineering projects efficiently.

Upon completion, participants receive a certification validating their CAD drafting and planning expertise, which enhances their career prospects in the architecture, engineering, and construction sectors.

Course Content:

Unit 1: The Fundamentals of CAD Drafting and Drawing:

- The Drawing Drafting Function.
- Effective Planning Management Needs of the CAD Drawing Office.
- Major Topics and Problem Areas.

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Unit 2: Enhancing CAD Planning and Drawing Skills:

- Contractual Issues.
- Industrial Designs, Patents, Copyright.
- Productivity Issues.
- Drafting Skills, Tools, and Software, Including CAD Drawing Software.
- Checking of Drawings - Standards, Specifications, Completeness, Errors.

Unit 3: Standardization and Customization in CAD Drafting:

- Standardization Issues.
- Productivity Issues.
- Future Needs - Intelligent Drawings.
- Accuracy Customization.

Unit 4: Quality Assurance in CAD Technical Drawing:

- Drawing Drafting Technology.
- Role of Drawing and Drafting in the Design Development Cycle.
- Quality Assurance Implementation in Drawing Drafting.
- Contractual Issues with Drawings on Projects.
- Industrial Designs, Patents, Copyrights.
- Planning Tools Techniques.
- Electronic Document Management Systems.
- Digitization of Paper Drawings.
- Drawing Drafting Tools.
- Using AutoCAD 2000 for Drafting Productively.
- Implementing Standardization.
- Implementing Productivity.
- Error Prevention.
- Other Supervision Management Issues.
- Detailed flow charts for each step/process were discussed to give participants a deep insight into the practical issues they would face in their jobs.

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Unit 5: Implementation and Application:

- Class Workshop: Developing Program Recommendations based on the Topics Covered in the Program.
- Class Workshop: Developing a Personalized Action Plan that the participant can immediately implement in his job.
- Workshop to prepare job-specific implementation documents for what has been learned in the Program. Objectives, Procedures, Forms, Checklists, Controls, Feedback, Improvement.

Conclusion:

This CAD Technical Drawing, Drafting, and Planning Skills Course offers comprehensive CAD drafting and drawing training, equipping students with essential technical CAD skills. Upon completion, participants receive a CAD certificate validating their proficiency in CAD drafting.

This CAD certification is essential for professionals seeking to enhance their careers with specialized AutoCAD training. Join our CAD course to master CAD drawing software and gain practical expertise in technical CAD planning and drawing techniques. Start your journey towards a rewarding career with our industry-leading CAD drafting certification program.