COURSE SYLLABUS

AutoCAD Bootcamp

Join our bootcamp and learn the fundamentals of technical drawing and develop advanced skills in creating 2D drawings using AutoCAD. This program is open to beginners and covers everything from basic AutoCAD functionalities and skills to advanced drafting techniques.

Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://sdfm.graduateschool.edu/courses/autocad-bootcamp



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Course Outline

This package includes these courses

- AutoCAD Level I (18 Hours)
- AutoCAD Level II (12 Hours)

AutoCAD Level I

This hands-on AutoCAD course introduces students to essential tools and techniques used to create mechanical and architectural drawings.

- Learn core drawing and editing commands to create and modify lines, circles, rectangles, and more
- Master object snap, tracking, and coordinate input to ensure precision and accuracy in every drawing
- Organize and manage your work with layers, templates, and advanced object types like polylines and ellipses
- Apply real-world workflows to draw complex layouts, floor plans, and design elements for mechanical and architectural projects
- Insert, manage, and reuse blocks with tools like Tool Palettes and Design Center
- Prepare your drawings for print with layouts, viewports, annotations, and dimensioning tools

AutoCAD Level II

- Improve productivity with advanced tools for accurate positioning, parametric constraints, and block usage
- Learn how to create, organize, and manage reusable content through custom block libraries
- Set up and customize drawing templates to maintain consistency across multiple projects
- Design and manage advanced layouts with viewports, paper space, and scaling techniques for print-ready drawings
- Master annotation styles to ensure clarity and standardization in dimensions, text, and hatching
- Integrate external references (Xrefs) into your workflow to manage large-scale drawings and collaborate across teams