

# AutoCAD Course Online

Develop a strong base in AutoCAD and computer-aided design through this complete course.

Learn how to produce accurate drafting symbols, floor plans, and construction documents while mastering the essential AutoCAD tools used in professional workflows

Group classes in Live Online and onsite training is available for this course. For more information, email [onsite@graduateschool.edu](mailto:onsite@graduateschool.edu) or visit: <https://sdfm.graduateschool.edu/courses/autocad-fundamentals-course>



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## Course Outline

This package includes these courses

- Intro to AutoCAD Course Online (30 Hours)
- Intermediate AutoCAD Course Online (30 Hours)

### Intro to AutoCAD Course Online

In this beginner-friendly AutoCAD course, you'll learn how to draw drafting symbols, kitchen and bath fixtures, and create a floor plan, all while assembling everything into one cohesive sheet file. You'll get hands-on experience with AutoCAD's user interface and essential commands, including drawing, modifying, layering standards, text, dimensioning, and plotting. Using source AutoCAD files, you'll work on a Habitat for Humanity residential project, starting from scratch and building your skills along the way.

- Create drafting symbols, kitchen and bath fixtures, and a floor plan, then combine them into a deliverable sheet file.
- Understand the differences between drawings for annotation and those for real-world modeling components.
- Learn to create and insert blocks, use external references, and know when to apply these skills.
- Master file management, layer-based drafting, integrating drawing components, and plotting while working on a residential project.

### Intermediate AutoCAD Course Online

In this course, you will draft an abbreviated set of CAD construction documents for a Habitat for Humanity project, including floor plans, roof plans, and elevations. You'll learn to create blocks, use external references, and optimize workflow with advanced AutoCAD commands. Topics include file referencing, user coordinate systems, dynamic viewing, and managing model/layout environments. This course strengthens your AutoCAD foundation and introduces intermediate-level techniques for efficiency and accuracy.

- Draft an abbreviated set of construction documents, including floor plans, foundation plans, electrical plans, and building elevations for a small residential project.

- Create and insert blocks, use external references, and apply these techniques to improve project efficiency.
- Demonstrate file and layer management, use of external file references, and navigate model/layout environments with user coordinate systems.
- Apply intermediate skills, including layer management, creating sheet layouts, and plotting, while refining your overall AutoCAD workflow.