

AutoCAD Course Online

Gain a solid foundation in AutoCAD and computer-aided design with this comprehensive course. Learn to create accurate drafting symbols, floor plans, and construction documents while mastering AutoCAD tools for professional workflows.

Group classes in Live Online and onsite training is available for this course. For more information, email partnerships@vdc.edu or visit: <https://vdc.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

Learn AutoCAD online from the very beginning, drawing drafting symbols, kitchen and bath fixtures, and then a floor plan. We assemble everything into one deliverable sheet file. In this Introduction to AutoCAD class, become familiar with the AutoCAD user interface and basic AutoCAD commands, including Drawing, Modifying, Layering Standards, Text, Dimensioning and Plotting. You will draw a floor plan for a small Habitat for Humanity residential project, starting at the very beginning. You will be provided source AutoCAD files, which you will use to start your project.

- Create drafting symbols, kitchen and bath fixtures, a floor plan and integrate all information into one deliverable sheet file.
- Distinguish the differences required to generate drawings for use as annotation and real-world model components.
- Create and insert blocks and externally reference files and determine the appropriate times to apply those skill sets.
- Master file management, drafting on layers, integrating drawing component files and plotting while creating on the class 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 plan, roof plan, foundation plan, electrical plan, and building elevations. Create and insert blocks, externally reference files, and determine the appropriate times to use these commands to optimize project workflow. Create, insert, and link drawings. You will learn the best workflow. This course reinforces basic understanding of AutoCAD and develops experience in more advanced applications. Topics include file referencing across the project data, user coordinate systems, dynamic viewing, and paper/model space conventions. Advanced AutoCAD commands and drafting conventions are heavily stressed in this online

AutoCAD course.

- Create an abbreviated set of construction documents, including floor plan, foundation plan, electrical plan, and building elevations for a small residential project.
- Create and insert blocks, externally reference files, and determine the appropriate times to apply those skill sets to optimize project efficiency.
- Demonstrate layer and file management, external file referencing, use of model/layout environment,s and user coordinate systems.
- Apply intermediate-level skills including layer management, user coordinate system development, creating sheet layout environments, and plotting.