

# CIS 125A1 : AUTOCAD 1

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## Transcript title

AutoCAD 1

## Credits

4

## Grading mode

Standard letter grades

## Total contact hours

50

## Lecture hours

30

## Other hours

20

## Recommended preparation

or to be taken with CIS 120 or CIS 124.

## Course Description

First course in a two-term sequence introducing AutoCAD software as a drafting tool. Includes file handling, basic command function, drafting techniques, presentation and plotting. Uses architectural and mechanical applications in lab exercises to demonstrate AutoCAD commands. Work will be completed with AutoCAD.

## Course learning outcomes

1. Identify and use drafting standards outlined by the American National Standards Institute.
2. Use Architectural, Engineering, and Metric scales for scaling and measurement.
3. Access AutoCAD commands using various software interfaces including Ribbons, Pull-Down Menus, Keyboard Commands and Function Keys.
4. Set up and preserve drafting standards in templates.
5. Proficiently use AutoCAD commands to draw and manage geometrical objects according to recognized standards.
6. Demonstrate and use coordinate entry including Direct Distance entry, Absolute and Relative Cartesian Coordinate entry and relative Polar Coordinate entry.
7. Effectively use Model Space and Layout Tabs for drawing and display.
8. Plot/Print from Layout Tabs.

## Content outline

- ANSI drafting standards - scaling and measurement - AutoCAD commands - templates - geometrical objects - coordinate entry methods - Model Space and Layout - Plotting and printing

## Required materials

Students will need regular and reliable access to AutoCAD