

CIVIL-102 Introduction to AutoCAD (2 credits)

STEM Pathway

This course introduces students to two-dimensional computer drafting. Course content includes: how to draw orthographic views and section views, how to draw entities such as lines, circles and text, how to add dimensions, how to edit drawings, and how to create and use blocks. Both A- and B-size templates are used. The American National Standards are emphasized in line weights, dimensions and appearance.

A pair of performance exams would be administered by one of the Mechanical Design Instructors. These exams (three hours each) may be taken together or separated by up to two weeks. These times will be during the semester at the downtown campus.

Only one attempt at each exam is allowed. The average of the two exams must be at least 85% to be accepted.

A study guide can be provided, if requested, two weeks ahead of taking the exams.

Test Administrator:

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Test 1 Covers	Test 2 Covers
Geometry: Lines, Circles, Fillet, Chamfer, Array, Hatch, Use of Layers, Inch & Metric Drawing	Dimensions & Blocks: Dimensions: Linear Horizontal, Vertical, Rotated; Diameter, Radius; Angular; Center Marks; Text. Block Creation & Insertion; Design Center