
Student Name

High School or Vocational Center

COMPETENCY RECORD FOR ARTICULATION

Baker College

To successfully complete this course, all performance objectives must be fulfilled with a minimum score of 80%. This will be determined through testing and lab projects.

CAD 111 COMPUTER AIDED DRAFTING I (CAD 1)

Task	Satisfactory	Unsatisfactory
Identify all hardware equipment by name and describe its function with 90% accuracy when given a picture of a typical workstation.		
Demonstrate the proper start-up and operating procedure for each piece of equipment with 100% accuracy.		
Demonstrate, with 100% accuracy, the correct command structure to access the AutoCAD program.		
Apply the function keys and/or "Control" keys, to activate/de-activate the snap, ortho, coordinates, and grid models.		
Establish units, grid, snap and/or axis values to establish drawing parameter.		
Demonstrate the ability to erase, trim, move, and extend entities utilizing the "editing" capabilities of the AutoCAD program.		
Apply the "redraw" and "regenerate" commands to clean-up and alter the display of drawings.		
Apply the "pedit" commands to alter entity properties.		
Summarize the ability to use the window, crossing, and last options within the "erase" command when given a drawing problem.		
Create 2-D drawings and incorporate lines, points, arcs, circles, and polygons when given sample problems.		
Utilize the "OSNAP" tools menu to work with the intersections, mid-points, center, endpoints, tangents, etc., of drawing entities.		
Create parallel lines using the "offset" command.		
Select the "PLINE" option, to create lines.		

Task	Satisfactory	Unsatisfactory
Apply linetypes in the creation of drawings.		
Select the “zoom” command to alter the display mode of drawings.		
Select the “array” command to duplicate a number of identical items.		
Apply the different types of save commands to save drawings.		
Access the AutoCAD main menu to retrieve and edit an existing drawing.		
Set-up the plotter and the plot file to create a hard copy of a given problem.		
Apply the PLOT command to plot drawings using various pens and colors or line thicknesses.		
Select the “text” command to insert notes, names, instructions, etc., to various problems.		
Apply various insertion modes (fit, justified, dynamic, etc.) to add text to a drawing.		
Use the proper commands to copy drawings.		
Select the “layer” command, to establish various layers, using given parameters.		
Modify linetypes, colors, etc. in the creation of multiple layers using the “dialogue” box or tool box.		
Interpret the meaning of layers which are frozen, thawed, on and off.		
Complete a three-view project drawing, utilizing all necessary AutoCAD commands.		
Apply dimensioning to given drawings, following acceptable drafting standards and using the required AutoCAD dimensioning command structure.		
Demonstrate the ability to use AutoCAD dimensioning variables to produce dimensioned drawings.		
Create 2d geometry using Cartesian, polar and relative coordinates.		
Activate and utilize dynamic input.		

Teacher signature _____ Date _____