

Student Name _____

High School or Vocational Center _____

**COMPETENCY RECORD FOR ARTICULATION
Baker College**

Please check below each skill the student has mastered with a minimum of 80 percent accuracy or with an A or B grade.

CAD 111: COMPUTER AIDED DRAFTING I (CAD I)

Task	Satisfactory	Unsatisfactory
Using a commercially available industry used CAD software students should:		
1. Fully utilize the computer and CAD software, including:		
a. Starting and exiting the program.		
b. Utilizing commands from both drop-down menus and icons.		
c. Saving and reopening drawings.		
2. Create three view drawings using orthographic third angle projection.		
a. From real-life object		
b. From isometric drawings		
c. From blueprints		
d. From sketches		
3. Demonstrate a mastery of paper space, title block, drawing layers and line thickness.		
4. Demonstrate mastery of creation commands allowing the program to draw multiple types of:		
a. Lines		
b. Arcs		
c. Circles		
d. Polygons		
5. Utilize edit commands in the CAD program, including:		
a. Trim		
b. Offset		

Task	Satisfactory	Unsatisfactory
c. Copy		
d. Delete		
e. Scale		
f. Mirror		
6. Demonstrate mastery of dimensioning and presentation, including:		
a. Line types		
b. Dimensioning practices		
c. Center lines		
d. Hidden lines		
e. Phantom lines		
f. Break lines		
g. Section lines		
h. Cutting plane lines		
i. Drawing notes		
7. Create section and auxiliary views to show non-traditional surfaces.		
8. Develop proficiency in Cartesian, polar, and relative coordinate systems.		

Teacher signature _____ Date _____