Enter Student Name

Enter School / Training Facility

**ARTICULATION COMPETENCY RECORD**

**Baker College**

|  |
| --- |
| Please check below each skill the student has mastered with a minimum of 80 percent accuracy. |

**CAD111 Computer Aided Drafting I (CAD I)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | | | **Satisfactory** | **Unsatisfactory** |
| 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 | ☒ | ☐ |
|  | 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 Enter Date