

Drafting - CAD (2023)

The following competency is to be taught within ALL technical level courses offered in your school's approved pathway ⁰

1 Demonstrate an understanding of industry standards for personal safety including the safe use of tools, equipment, and hazardous materials. ^{0.1}

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1 Identify and demonstrate the use of CAD commands and system peripherals. ^{1.1}

2 Demonstrate the ability to dimension drawings on the CAD system. ^{1.2}

3 Demonstrate proficiency in setting limits and scale on the CAD system. ^{1.3}

4 Demonstrate proficiency in setting, turning on and turning off layers. ^{1.4}

5 Create standard drawings for templates. ^{1.5}

6 Demonstrate the ability to load, store files, and transport files via Internet. ^{1.6}

7 Place text on a drawing and be able to change to different font styles, sizes, and angles. ^{1.7}

8 Be proficient in the use of printer/plotter operations. ^{1.8}

9 Demonstrate ability to place text on a drawing and change to different font styles, sizes, and angles. ^{1.9}

10 Demonstrate ability to dimension drawings on the CAD system. ^{1.10}

11 Demonstrate proficiency in setting limits and scale on the CAD system. ^{1.11}

12 Construct drawings using straight line, circle, and hidden line statements, etc. ^{1.12}

13 Construct isometric and 3D drawings. ^{1.13}

14 Set grid and snap specifications. ^{1.14}

15 Define and use commands to modify a drawing. ^{1.15}

16 Use symbols (from a symbol library) in a drawing. ^{1.16}