



# CTE Drafting Design Technology 2-1

- PS 1 Students will know/access the Command Window, Drop-Down Menu, and various toolbars of the AutoCAD desktop.
- PS 2 Students will identify, access, and utilize basic commands appropriately for drawing in AutoCAD.
- PS 3 Student can identify and change the different drawing units (Architectural, Decimal, Engineering, Fractional, Scientific) and understand their effects on drawing size.
- PS 4 Student can properly apply a grid to drawings and use snap to aid in drawings.
- PS 5 Student can properly save work to the appropriate storage device.
- PS 6 Student can properly layout interior and exterior walls, accurately cut openings in walls, and create swinging and sliding doors.
- PS 7 Student can properly copy objects and mirror objects.
- PS 8 Student can accurately layout interior rooms and create furnishings for their drawing.
- PS 9 Student can assign objects to layers and turn off and freeze layers.
- PS 10 Student can assign an individual line type scale factor and can apply properties of layers and objects.
- PS 11 Student can create and insert and rotate a block using guidelines.
- PS 12 Student can use object snap tracking and polar tracking to insert a block.
- PS 13 Student can share information between drawings by dragging and dropping between two drawings and use AutoCAD's Design Center.
- PS 14 Student will analyze and apply techniques to generate elevations.
- PS 15 Student can create a front drawing elevation while setting up lines for the height, copy and trim lines, insert windows, doors and steps.
- PS 16 Student will know and use techniques for controlling text in a drawing.
- PS 17 Student will analyze and apply techniques to dimension his/her drawing.
- PS 18 Students will use techniques to manage external references in a drawing.
- PS 19 Students will use layouts to set up a print.
- PS 20 Students will determine the line weights for a drawing to print, and apply different properties of layers to print.
- PS 21 Identify, understand, and apply employability skills and workplace readiness skills as required by employers.
- PS 22 Student can identify and change the different drawing units (Architectural, Decimal, Engineering, Fractional, Scientific) and understand their effects on drawing size.
- PS 23 9-10.RST.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9–10 texts and topics.

- PS 24 9-10.RST.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.
- PS 25 9-10.WHST.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
- PS 26 9-10.WHST.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation