Kentucky CTE

Advanced Manufacturing: Computerized Manufacturing and Machining: Intermediate Computer-Aided Drafting 480112 (2026–2027)

Practice and perform safe shop procedures at all times. 1	**1 Practice and perform safe shop procedures at all times.** 1
Apply the technical math required for employment opportunities in machining. 2	**2 Apply the technical math required for employment opportunities in machining.** 2
Perform all duties with emphasis on integrity, responsibility, quality, discipline and teamwork. 3	**3 Perform all duties with emphasis on integrity, responsibility, quality, discipline and teamwork.** 3
Demonstrate, through practice and communications, a comprehensive working knowledge of CAD drafting and the drafting symbols associated with one or more design applications. 4	**4 Demonstrate, through practice and communications, a comprehensive working knowledge of CAD drafting and the drafting symbols associated with one or more design applications.** 4
Produce complex drawings through the use	**5 Produce complex drawings through the use of CAD techniques.** 5

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Use CAD to calculate perimeters and areas for design features. 6	**6 Use CAD to calculate perimeters and areas for design features.** 6
Construct three-dimensional models using various techniques. 7	**7 Construct three-dimensional models using various techniques.** 7
Project two-dimensional orthographic and axonometric views and sections of the three-dimensional models. 8	**8 Project two-dimensional orthographic and axonometric views and sections of the three-dimensional models.** 8
Use advanced CAD operations. 9	**9 Use advanced CAD operations.** 9