Kentucky CTE

Advanced Manufacturing: Computerized Manufacturing and Machining: Mechanical Blueprint Reading 470922 (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 visualizing techniques of multiple views. 4	4 Demonstrate visualizing techniques of multiple views. 4
Identify line types used in combinations. 5	5 Identify line types used in combinations. 5
Identify standards listings on working drawings. 6	6 Identify standards listings on working drawings. 6
Lis ma construction	ist procedural machining and construction requirements from notations on vorking drawings. 7

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requirements from notations on working drawings. 7

List proper procedures for the construction of various machining processes. 8

8 List proper procedures for the construction of various machining processes. 8

Determine proper thread series and types for duty-specific assembly. 9

9 Determine proper thread series and types for duty-specific assembly. 9

Specify duty-specific uses of contour notes. 10

10 Specify duty-specific uses of contour notes. 10

Determine overall measurements of contoured parts. 11

11 Determine overall measurements of contoured parts. 11

Explain various terms involved in multiple sections. 12

12 Explain various terms involved in multiple sections. 12

Identify usages for chamfers and interpret sizes. 13

13 Identify usages for chamfers and interpret sizes. 13

Define various chamfer terms. 14

14 Define various chamfer terms. 14

Determine the sizing procedures of necks and grooves. 15

15 Determine the sizing procedures of necks and grooves. 15

Identify various keyway and key seat standards. 16

16 Identify various keyway and key seat standards. 16

Identify the usage of geometric symbols. 17

17 Identify the usage of geometric symbols. 17

De Skip to main content Define terms relating to geometric tolerance. 18
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Set standards and tolerances using geometric dimensioning. 19	**19 Set standards and tolerances using geometric dimensioning.** 19
Set axis coordinates on numerical control prints. 20	**20 Set axis coordinates on numerical control prints.** 20
Determine axis coordinates on ordinate and tabular prints. 21	**21 Determine axis coordinates on ordinate and tabular prints.** 21
Identify casting and forging terms. 22	**22 Identify casting and forging terms.** 22
Calculate bend setbacks in sheet metals and plate steels. 23	**23 Calculate bend setbacks in sheet metals and plate steels.** 23
Identify parts and materials from various reference books and manuals. 24	**24 Identify parts and materials from various reference books and manuals.** 24