Kentucky CTE

Advanced Manufacturing: Industrial Maintenance Technology: Applied Machining I (for Industrial Maint.) 470360 (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 maintenance. 2	2 Apply the technical math required for employment opportunities in maintenance. 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
Machine and finish holes on the vertical and horizontal mills. 4	4 Machine and finish holes on the vertical and horizontal mills. 4
Cut and finish different types of key seats. 5	5 Cut and finish different types of key seats. 5
Select and use different types of milling cutters. 6	6 Select and use different types of milling cutters. 6
Se gri	elect and perform basic grinding operations. 7

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Machine holes on a vertical mill. 8

8 Machine holes on a vertical mill. 8

Form mill on a vertical mill. 9

9 Form mill on a vertical mill. 9

Mill key seats. 10

10 Mill key seats. 10

Mill an angle on a vertical mill. 11

11 Mill an angle on a vertical mill. 11

Cut and finish holes on vertical and horizontal mills. 12

12 Cut and finish holes on vertical and horizontal mills. 12

Demonstrate the care and safe use of machine grinders. 13

13 Demonstrate the care and safe use of machine grinders. 13

Select grinding wheels. 14

14 Select grinding wheels. 14

Classify metals and metal shapes. 15

15 Classify metals and metal shapes. 15