Kentucky CTE

Advanced Manufacturing: Metal Fabrication: Sheet Metal II – A 480819 (2026–2027)

Apply safety rules and procedures. 1	1 Apply safety rules and procedures. 1
Use and care for tools and equipment. 2	2 Use and care for tools and equipment. 2
Interpret building trade blueprints. 3	3 Interpret building trade blueprints. 3
Draw sheet metal assemblies. 4	4 Draw sheet metal assemblies. 4
Use the radial line method to lay out sheet metal patterns. 5	5 Use the radial line method to lay out sheet metal patterns. 5
Use the triangular method to lay out sheet metal patterns. 6	6 Use the triangular method to lay out sheet metal patterns. 6
Use the parallel line method to lay out sheet metal patterns. 7	7 Use the parallel line method to lay out sheet metal patterns. 7
Select sheet metal gauges for patterns. 8	8 Select sheet metal gauges for patterns. 8
Cut sheet metal with aviation snips. 9	9 Cut sheet metal with aviation snips. 9
Cu… str…	Cut sheet metal with straight snips. 10

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Cut sheet metal with squaring shears. 11	11 Cut sheet metal with squaring shears. 11
Turn the edges of sheet metal elbow assemblies with an elbow-turning machine. 12	12 Turn the edges of sheet metal elbow assemblies with an elbow-turning machine. 12
Fabricate residential and commercial heating and air conditioning ductwork. 13	13 Fabricate residential and commercial heating and air conditioning ductwork. 13
Install heating, ventilation, and air conditioning ducts. 14	14 Install heating, ventilation, and air conditioning ducts. 14
Install machine guards and assemblies. 15	15 Install machine guards and assemblies. 15
Use signed numbers. 16	16 Use signed numbers. 16
Apply algebraic symbols and terms. 17	17 Apply algebraic symbols and terms. 17
Solve simple equations. 18	18 Solve simple equations. 18
Solve problems in work-related situations and distinguish between direct and indirect relationships. 19	19 Solve problems in work-related situations and distinguish between direct and indirect relationships. 19
Perform and apply surface measurement calculations. 20	20 Perform and apply surface measurement calculations. 20
Use exponents and radicals. 21	21 Use exponents and radicals. 21