Kentucky CTE

Advanced Manufacturing: Metal Fabrication: Sheet Metal I – B 480818 (2026–2027)

Measure sheet metal to determine available space for assembly patterns. 1	1 Measure sheet metal to determine available space for assembly patterns. 1
Use the radial line method to lay out sheet metal patterns. 2	2 Use the radial line method to lay out sheet metal patterns. 2
Use the triangular method to lay out sheet metal patterns. 3	3 Use the triangular method to lay out sheet metal patterns. 3
Use the parallel line method to lay out sheet metal patterns. 4	4 Use the parallel line method to lay out sheet metal patterns. 4
Select sheet metal gauges for patterns. 5	5 Select sheet metal gauges for patterns. 5
Select types of sheet metals. 6	6 Select types of sheet metals. 6
Cut sheet metal layouts with aviation snips. 7	7 Cut sheet metal layouts with aviation snips. 7
Cut sheet metal layouts with bulldog snips. 8	8 Cut sheet metal layouts with bulldog snips. 8
Cut sheet metal layouts with circular snips. 9	9 Cut sheet metal layouts with circular snips. 9

Skip to main content

Cut sheet metal layouts with combination snips. 10	10 Cut sheet metal layouts with combination snips. 10
Cut sheet metal layouts with double-cut snips. 11	11 Cut sheet metal layouts with double-cut snips. 11
Cut sheet metal layouts with straight snips. 12	12 Cut sheet metal layouts with straight snips. 12
Store tools. 13	13 Store tools. 13
Make advanced sheet metal cuts with hand notchers. 14	14 Make advanced sheet metal cuts with hand notchers. 14
Make advanced sheet metal cuts with combination notchers. 15	15 Make advanced sheet metal cuts with combination notchers. 15
Make advanced sheet metal cuts with squaring shears. 16	16 Make advanced sheet metal cuts with squaring shears. 16
Make advanced sheet metal cuts with universal metal cutters. 17	17 Make advanced sheet metal cuts with universal metal cutters. 17
Make advanced sheet metal bends with hand seamers. 18	18 Make advanced sheet metal bends with hand seamers. 18
Form sheet metal assemblies with blow horn stakes and mallets. 19	19 Form sheet metal assemblies with blow horn stakes and mallets. 19
Form sheet metal assemblies with conductor stakes and mallets. 20	20 Form sheet metal assemblies with conductor stakes and mallets. 20

Skip to main content

Form sheet metal assemblies with common squares and mallets. 21

21 Form sheet metal assemblies with common squares and mallets. 21

Form sheet metal assemblies with creasing stakes and mallets. 22

22 Form sheet metal assemblies with creasing stakes and mallets. 22

Form sheet metal with the slip-roll to create a cylindrical shape. 23

23 Form sheet metal with the slip-roll to create a cylindrical shape. 23

Form single and double hems on sheet metal layouts with brake. 24

24 Form single and double hems on sheet metal layouts with brake. 24

Make advanced sheet metal turned edges or elbow assemblies with an elbow edging machine. 25

25 Make advanced sheet metal turned edges or elbow assemblies with an elbow edging machine. 25

Form advanced sheet metal assemblies with hollow mandrel stakes and mallets. 26

26 Form advanced sheet metal assemblies with hollow mandrel stakes and mallets. 26

Form advanced sheet metal assemblies with mandrel stakes and mallets. 27

27 Form advanced sheet metal assemblies with mandrel stakes and mallets. 27

Form advanced sheet metal assemblies with needle case stakes and mallets. 28

28 Form advanced sheet metal assemblies with needle case stakes and mallets. 28

Fabricate advanced residential and commercial heating and air conditioning ductwork. 29

29 Fabricate advanced residential and commercial heating and air conditioning ductwork. 29

Gl Skip to main content
ext

Glue insulation to the exterior and interior surfaces. 30

surfaces. 30

Install heating, ventilation, and air conditioning ducts. 31	31 Install heating, ventilation, and air conditioning ducts. 31
Cut advanced sheet metal layouts with do-all saws. 32	32 Cut advanced sheet metal layouts with do-all saws. 32
Cut advanced sheet metal layouts with hacksaws. 33	33 Cut advanced sheet metal layouts with hacksaws. 33
Cut advanced sheet metal layouts with hawk-billed snips. 34	34 Cut advanced sheet metal layouts with hawk-billed snips. 34
Identify capacities for the English Wheel. 35	35 Identify capacities for the English Wheel. 35
Shape sheet metal parts with the English Wheel. 36	36 Shape sheet metal parts with the English Wheel. 36
Smooth sheet metal parts with the English Wheel. 37	37 Smooth sheet metal parts with the English Wheel. 37
Shape sheet metal parts with the Shot Bag and Mallet. 38	38 Shape sheet metal parts with the Shot Bag and Mallet. 38