Kentucky CTE

Advanced Manufacturing: Wood Manufacturing: Wood Product Manufacturing 480740 (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. 2

2 Apply the technical math required for employment opportunities. 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

Discuss the characteristics of wood as a building material. 4

4 Discuss the characteristics of wood as a building material. 4

Specify and order lumber, veneer, plywood, particleboard, fiberboard, laminates, composite materials, hardware, and related materials and supplies. 5

5 Specify and order lumber, veneer, plywood, particleboard, fiberboard, laminates, composite materials, hardware, and related materials and supplies. 5

Identify common species of hardwoods an

6 Identify common species of hardwoods and softwoods. 6

Skip to main content

Observe all safety rules and regulations when using hand tools, portable electric tools, and stationary machines. 7	**7 Observe all safety rules and regulations when using hand tools, portable electric tools, and stationary machines.** 7
Practice safe setup and operation of woodworking equipment. 8	**8 Practice safe setup and operation of woodworking equipment.** 8
Master basic jig and fixture design and development concepts. 9	**9 Master basic jig and fixture design and development concepts.** 9
Develop common production planning materials, route sheets, subassembly sheets and final assembly sheets. 10	**10 Develop common production planning materials, route sheets, subassembly sheets and final assembly sheets.** 10
Evaluate and specify appropriate joinery when assembling two or more components. 11	**11 Evaluate and specify appropriate joinery when assembling two or more components.** 11
Describe the properties of common thermosetting and thermoplastic adhesives and the most appropriate application techniques for each. 12	**12 Describe the properties of common thermosetting and thermoplastic adhesives and the most appropriate application techniques for each.** 12
Select and utilize common abrasive materials for surface preparation of the wood. 13	**13 Select and utilize common abrasive materials for surface preparation of the wood.** 13
Apply work site and lab safety procedures. 14	**14 Apply work site and lab safety procedures.** 14
Ap Skip to main content **rules and**	**Apply personal safety rules and procedures.** 15

procedures. 15

Apply fire prevention rules and procedures. 16

16 Apply fire prevention rules and procedures. 16

Apply first aid procedures. 17

17 Apply first aid procedures. 17

Explain how to obtain first aid certification. 18

18 Explain how to obtain first aid certification. 18

Demonstrate hazardous communications procedures. 19

19 Demonstrate hazardous communications procedures. 19

Describe and demonstrate universal precaution procedures. 20

20 Describe and demonstrate universal precaution procedures. 20

Set up and solve ratios and proportions. 21

21 Set up and solve ratios and proportions. 21

Convert between various units of measure. 22

22 Convert between various units of measure. 22

Solve problems involving significant digits, accuracy, and precision of measurements. 23

23 Solve problems involving significant digits, accuracy, and precision of measurements. 23

Perform mathematical operations with standard and metric measurement systems. 24

24 Perform mathematical operations with standard and metric measurement systems. 24