

Alabama CTE Equipment List

This list is based on a classroom size of 25 students and meets minimum standards. All costs are estimated. No specific equipment vendor or brand names are endorsed, but school districts should consult with stakeholders to ensure industry-recognized equipment and software are purchased. The intent of this list is to provide school districts with guidance on the equipment needed to cover the state standards for a Construction Technology program and are not meant to dictate the number of students that can safely fit in a classroom and/or laboratory.

Cluster: Architecture and Construction
Program: Construction Technology

CLASSROOM EQUIPMENT

TOTAL: \$8,300

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
5	Computer/device with Current Operating System	\$1,000	\$5,000
3	File Cabinets	\$100	\$300
1	Laser Printer	\$500	\$500
1	Technology- LCD projector	\$2,500	\$2,500

PROGRAM EQUIPMENT (Items over \$250)

TOTAL: \$13,650

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Air Compressor	\$1,200	\$1,200
2	Band Saw (14")	\$400	\$800
1	Belt Sander (37")	\$600	\$600
2	Compound Miter Saw (10")	\$400	\$800
1	Drill Press (15")	\$400	\$400
2	Heavy Duty Scroll Saw with Blades	\$500	\$1,000
1	Jointer (6")	\$500	\$500
1	Oscillating Edge Sander	\$450	\$450
1	Planer with Grinder (16")	\$1,800	\$1,800
2	Plunge Router	\$300	\$600
2	Pneumatic Framing Nail Gun	\$300	\$600
2	Radial Arm Saws with Blades (12")	\$750	\$1,500
2	Tilting Table Saw with T-Square Fence (10")	\$1,200	\$2,400
1	Wood Shaper	\$1,000	\$1,000

INSTRUCTIONAL SUPPLIES (Items under \$250)

TOTAL: \$11,990

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
4	Adjustable Wrench (8")	\$15	\$60
4	Air Hose (50')	\$50	\$200
1	Allen Wrench Kit	\$25	\$25
1	Assorted Paint Brush Kit	\$50	\$50
1	Back Saw (15-point 10")	\$20	\$20

1	Bench Grinder (8")	\$100	\$100
1	Biscuit Joiner	\$150	\$150
1	Block Plane	\$40	\$40
1	Bloodborne Pathogen Kit	\$50	\$50
2	Box End Set Wrench	\$40	\$80
2	Brass Plumb (12 oz.)	\$10	\$20
1	Carbide Masonry Drill Bit Set	\$50	\$50
2	Caulking Gun	\$10	\$20
6	C-Clamps (12")	\$10	\$60
2	Chalk Line Reel (100')	\$15	\$30
6	Clamps (24")	\$20	\$120
6	Clamps (72")	\$25	\$25
15	Claw Hammer (16 oz.)	\$20	\$300
6	Combination Plier (8")	\$15	\$90
6	Combination Square	\$10	\$60
2	Coping Saw	\$15	\$30
4	Cordless Hand Drill (12v minimum)	\$125	\$500
4	Corner/Miter Set Clamps	\$25	\$100
2	Countersink Bit Set	\$15	\$30
2	Crosscut Saw (8-point 26" Blade)	\$50	\$100
2	Detail Sander	\$75	\$150
6	Diagonal Cutting Plier	\$15	\$90
4	Drywall Hammer	\$25	\$100
2	Drywall Handsaw	\$15	\$30
2	Drywall Hole Saw	\$15	\$30
2	Drywall Screw Gun	\$150	\$300
2	Electric Hand Drill (1/2")	\$100	\$200
2	Electric Hand Drill (3/8")	\$75	\$150
2	End Snips	\$20	\$40
2	Expansion Bit (7/8"-3")	\$20	\$40
2	Extension Cord (100')	\$50	\$100
2	Extension Cord (25')	\$30	\$60
30	Eye Protection (Pack of 15-OSHA Standard)	\$30	\$60
2	Fiberglass Step Ladder (8')	\$100	\$200
3	Fire Blankets (with Case)	\$100	\$100
1	Fire Extinguisher (ABCK)	\$200	\$200
3	Flammable Material Storage Locker	\$200	\$600
4	Gooseneck Crowbar	\$25	\$100
6	Grip Plier (7 1/2")	\$15	\$90
4	Half Round Bastard File (10")	\$5	\$20
1	Hazardous Skill Response Kit	\$50	\$50
2	Heavy Duty Portable Router	\$150	\$300
1	Heavy Duty Power Hand Plane	\$150	\$150
2	Heavy Duty Reciprocating Saw	\$200	\$400

Equipment List aligns with the Alabama Architecture and Construction Course of Study Standards adopted in 2023

2	Heavy Duty Saber Saw with Blades	\$150	\$300
1	Heavy Duty Vise	\$100	\$100
1	Jack Plane	\$25	\$25
2	Keyhole Saw	\$15	\$30
6	Level (24")	\$20	\$120
4	Level (48")	\$30	\$120
4	Nail Set (1/32"-1/8")	\$10	\$40
6	Needle Nose Plier (6")	\$15	\$90
2	Nut Driver Set	\$30	\$60
1	Oiler (One Pint)	\$5	\$5
2	Open End Set Wrench	\$40	\$80
2	Orbital Sander or 1/2 Sheet Finish Sander	\$75	\$150
1	OSHA "Right to Know" Compliance Kit	\$100	\$100
2	Pad Sander	\$75	\$150
2	Pneumatic Finish Nail Gun	\$200	\$400
2	Pneumatic Stapler	\$200	\$400
2	Portable Belt Sander	\$125	\$250
2	Portable Power Saw with Blades (7 1/4")	\$150	\$300
2	Power Wood Boring Bit Set	\$40	\$80
1	Punch Chisel (Line-up Set)	\$20	\$20
4	Putty Knife	\$5	\$20
4	Safety Can (Solvents, Rags, etc.)	\$100	\$400
4	Screwdriver Set	\$25	\$100
2	Shop Vacuum	\$200	\$400
2	Sledgehammer (8 lb.)	\$50	\$200
2	Socket Set (1/2")	\$50	\$100
2	Socket Set (3/8")	\$50	\$100
12	Speed Square	\$10	\$120
1	Spring Hand Clamp (Assorted Sizes)	\$75	\$75
6	Steel Framing Square (16" x 24")	\$20	\$120
1	Steel Tape (100')	\$30	\$30
15	Steel Tape (25')	\$20	\$300
2	Straight Tin Snips (12")	\$25	\$25
1	Sweep Brace Bit (10-1/2")	\$50	\$50
1	T-Square (4')	\$20	\$20
2	Wood Chisel Set	\$25	\$50
4	Wood Rasp (10")	\$15	\$60
6	Wood Vise (12")	\$225	\$1,350

ADDITIONAL EQUIPMENT/SUPPLIES (Items over \$250)
(If teaching Cabinetmaking)

TOTAL: \$17,750

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Boring Machine (2-Head Minimum)	\$1,500	\$1,500
3	Dust Extractor	\$1,000	\$3,000

1	MDF Raised Panel Door System (Table, Fences, Routers, Bits, and Dust Hood)	\$5,000	\$5,000
1	Paint Spray Gun with Cup	\$250	\$250
1	Pneumatic Cabinet Door Clamp Assembly Table	\$3,000	\$3,000
1	Pneumatic Face Frame Assembly Clamp Table	\$3,000	\$3,000
1	Production Pocket-hole Cutter	\$1,200	\$1,200
1	Safety Speed Panel Saw	\$800	\$800

OPTIONAL EQUIPMENT/SUPPLIES

ITEM DESCRIPTION
CNC System
Simulator
Trainer

Category Totals:

Classroom Equipment	\$8,300
Program Equipment	\$13,650
Instructional Supplies	\$11,990
Equipment for Cabinetmaking	\$17,750
Estimated Program Total	\$51,690