

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 Technical Design 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: Technical Design

CLASSROOM EQUIPMENT

TOTAL: \$29,300

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
26	Computer/device with Current Operating System with CAD Software (1 per student and 1 instructor)	\$1,000	\$26,000
1	LCD projector or Smart Board	\$2,500	\$2,500
3	File Cabinets	\$100	\$300
1	11 X 17 Laser Printer, color	\$500	\$500
1	Technology- LCD projector	\$2,500	\$2,500

PROGRAM EQUIPMENT (Items over \$250)

TOTAL: \$15,000

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Network Plotter, Printer, Scanner	\$5,000	\$5,000
1	3-D Printer	\$10,000	\$10,000

INSTRUCTIONAL SUPPLIES (Items under \$250)

TOTAL: \$6,200

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
5	Architecture Floor Plan Template	\$30	\$150
25	Automatic and/or Mechanical Pencil (3, 5, 7, and 9 mm)	\$15	\$375
5	Circle Template	\$10	\$50
5	Compass (Bow, Beam, and Drop Bow)	\$15	\$75
5	Divider	\$15	\$75
25	Drafting Brush	\$10	\$250
5	Drafting Tape	\$10	\$50
25	Eraser (Pencil, Ink, and Plastic)	\$10	\$250
25	Erasing Shield	\$10	\$250
5	Irregular Curves	\$10	\$50
25	Lettering Guide	\$10	\$250
25	Triangle (30/60 degrees and 45 degrees)	\$10	\$250
5	Reference Books (ASME and ANSI)	\$75	\$375
25	Triangular Scale (Architect, Civil Engineer, and Metric)	\$25	\$625
15	Computer Table (Oversize Workspace)	\$150	\$2,250

25	Graph paper	\$5	\$125
5	E-size Paper	\$100	\$500
5	Filament	\$50	\$250

OPTIONAL EQUIPMENT/SUPPLIES

ITEM DESCRIPTION
Drafting Board with Parallel Arm
Flat File (5 Drawer)

Category Totals:

Classroom Equipment	\$29,300
Program Equipment	\$15,000
Instructional Supplies	\$6,200
Estimated Program Total	\$50,500