

Dear Student or Parent,

Enclosed is the required tool list for the

**Mechatronics, Robotics, and Automation Engineering  
Technology/Technician**

course at Bristol T.E.C. The student is required to have these tools by the start of school.

The multi-meter purchased should be the model specified: **Klein Tools MM400**. It can be purchased at Home Depot or Amazon. The other tools can be found at Home Depot, Lows, Harbor Freight, Ocean State Job Lot, Amazon or other on-line sources.

The students are also required to wear a uniform shirt. They can be purchased at **CT Uniform**. When calling, specify **Bristol TEC Mechatronics shirt**:

Ask to speak to Melissa or Carlton. Order form is attached.

Item #1 short sleeve polo shirt (maroon)-\$20.00

Item #2 long sleeve polo shirt (maroon) - \$24.00

Item #3 Crew neck sweat shirt (black) -\$20.00

For XXL- XXXXXL= +\$3

Black Work Pant

Please order Uniforms by **August 1** to receive them by the start of school. The shirt color is maroon with silver lettering.

Most of the students prefer the short sleeve polo shirt (#1) and can wear the shop sweat shirt (#3) over it when the shop is cool (no other outer wear is allowed in the shop). The shirts and sweatshirt will be embroidered Mechatronics on one side and the students name on the other. Students should purchase at least four shirts and one sweatshirt and wash them regularly. The students should also wear clean Black Work Pant. As cooler weather approaches students will have the option to purchase a shop jacket. Foot wear should consist of sturdy tie work shoes or work boots (no open toes or slip-ons).

Other requirements for the course include: a notebook, a good supply of pens and pencils and a highlighter.

Have a wonderful summer. I'm looking forward to meeting you in the fall.

Sincerely,

Chris Reilly

Mechatronics, Robotics, and Automation Engineering Technology/Technician  
Department Head

**Mechatronics TOOL LIST** Rev. 9/28/22

ITEM	QUAN.	DESCRIPTION
1.	1	25-30 watt soldering iron, pencil type, (not gun type)
2.	1	Desoldering tool (solder sucker)
3.	1 roll	Solder: 60-40Tin-Lead Solder, rosin core. (Not lead free) 1/16" dia. or similar size
4.	1	Linesman Pliers
5.	1	Wire cutters, miniature (flush cut, not large ones!)
6.	1	Wire stripper/cutter
7.	1	Needlenose pliers (mini long nose)
8.	1	Adjustable Wrench 8"
9.		Test Lead set with alligator clips
10.	1	Digital Multimeter <b>Klein Tools MM400</b> (Auto-ranging, ohms, diode check, AC & DC: volts, current)
11.	1	Electrical Circuit tester such as Klein #RT110
12.	1 set	Screwdrivers, standard & phillips assortment (phillips: #1, #2, standard assortment 1/8-1/4)
13.	1	Scientific calculator (TI 30XA Or TI30XIIS) (Must have SIN, COS, TAN keys)
14.	1	Safety glasses
15.	1	Small tool box or bag
16.	1 roll	Electrical tape
17.	1	Combination lock
18.	1	12" Ruler
19.	4 (Minimum)	<b>Uniform shirts:</b> maroon color shirt with student name and shop name
20.	1	<b>Uniform Sweat Shirt-</b> Black crew neck with student's name and shop
21.	4 (Minimum)	Uniform work Pants Black