

Dear Student and Parent:

Below is the **TOOL LIST for Mechatronics, Robotics, and Automation Engineering Technology/Technician. For the first couple of days the students are required to have item #'s 1, 2 and 3. All tools are required by the 2nd week of school!!!** The students are required to keep their tools available and in working order for the entire year. The students are encouraged to keep their tools locked up when not in use. However, each year some tools end up missing. In those cases the students are required to replace the tool so that they may continue to work. Some suggested suppliers for your tools are: **INTERNET: Amazon, Ebay, MSCDIRECT Home depot or Lowes. Tools do not need to be new, yard sales and relatives are great resources to accumulate tools. If you have any questions on tools, wait till orientation. Keeping your receipts is strongly encouraged. MSCDIRECT.com is a company that has set up special pricing and an item number is highlighted in yellow by the item. It is not mandatory to buy from them, but you can price compare yourself if you wish.**

Mention you are a Student. Discounts are available

1. Uniform including Black Work Pants
2. At Least 2 pair of Safety Glasses which are to be worn on the shop floor. MSC# 80855349
3. Safety Shoes
4. Pencils, pens, paper, and 3 ring binder with lined paper for notes
5. Reasonably priced tool box with lock (2 or 3 drawer) MSC # 45706496
6. Digital Multimeter (Auto-ranging, ohms, diode check, AC & DC: volts, current)
Example (Klein Tools MM400 or Klein kit 69149P Or Fluke 117)
7. UGLY's Electrical References <https://www.uglys.net/ugly-s-electrical-references-2023-edition>
8. Linesman Pliers (MSC#[00341602](#)Mfr# D213-9NE-CR)
9. Hex Key set (1/16 to 3/8 and metric) suggestion
<https://www.mscdirect.com/product/details/36742534?rItem=36742534>
<https://www.mscdirect.com/product/details/36742559>
10. Wire cutters, miniature (flush cut, not large ones!) (MSC#03132578 Mfr# D275-5)
11. Wire Stripers (MSC # 97777635 MFR#2005n)
12. Combination wrenches set ¼ to ¾ (MSC#[62492897](#)Mfr# 022-14SSET)
13. 8 inch adjustable wrench (<https://www.mscdirect.com/product/details/33173618>)
14. Needle nose pliers (mini long nose) (MSC#[11665957](#)Mfr# PMN01001)

“Preparing students with the skills to be successful in the modern workforce.”



15. Needle nose pliers (long nose) (MSC#[00341693](#)Mfr# D203-6)
16. Calculator (Casio fx300MS Or TI 30XA Or TI30XIIS)
17. (2 or more) Cheap 1"-2" Paint brushes (to clean machines/parts) [04318929](#) & [04318945](#)
18. Flash drive (less memory is better)
19. 2 locks – can be a combination lock or key lock for toolbox and locker.
20. Electrical Circuit tester such as Klein
<https://www.msdirect.com/product/details/67017723>
21. Electrical tape
22. Test Lead set with alligator clips <https://www.amazon.com/Alligator-Test-Lead-Set-Piece/dp/B00BL2WYWI>
23. **Optional** Combination Hand tool set (MSC# 86780749 MFR# 80028) includes Line # 4,5,6,7,9,12,20

Shop Uniforms are required. CT Uniform is our chosen distributor. Ct Uniform can be reached at [\(203\) 573-9898](tel:2035739898), they are located at 567 Watertown Ave, Waterbury, CT 06708. Inform the company that you are **Mechatronics, Robotics, and Automation Engineering Technology/Technician** a student at Bristol Technical Education Center. The shop color is **Maroon**. Students can also buy Marron shirts (Dickies or Red Kap) from Walmart or a similar outlet & have their name embroidered with **White** stitching.

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-XXXL= +\$3

Black Work Pant

- **NO HOODIES!**
- **The proper embroidering with Mechatronics is over the left pocket and Name over the right pocket.**

Have a wonderful summer. We are looking forward to seeing you all in the fall.

Sincerely,

Chris Reilly

Department Head / Instructor

Mechatronics, Robotic and Automation Engineering Technology / Technician

Bristol Technical Education Center

431 East Minor St.

Bristol CT. 06010

Telephone 860:584-8433 Ext 28315

Email Chris.reilly@cttech.org