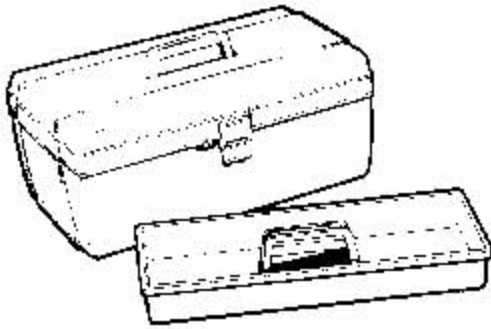# Recommended Tool List for EET

Each EET student shall provide their own basic tools in order to facilitate the laboratory portion of your education. The following represents the minimum which you should bring with you at the beginning of the semester.

We suggest purchasing "name" brands such as Klein, Ideal, Vaco, Proto, Craftsman, Channellock, Greenlee, Crescent, Stanley, etc. when possible. These are available at local hardware stores, Lowes and Home Depot.

The list of tools is provided in an attempt to have you understand examples of the tools which we feel are acceptable. You may already have some of these and need only fill in the voids. Students are expected to have these or equivalent quality tools.
The following tools are listed in two levels with the first level required and the second level recommended as you have more resources.

1. Tool Box

MSC #: 89762140   Tool Box Width: 16-5/8 Depth: 8-3/4 Height: 7-1/8

This is the maximum size tool box (width and depth) that will fit into the student locker. Do not bring a larger one to use in the laboratory; it will not fit into your locker.
Notice: You will also need to provide a combination padlock for your locker

2. Precision screwdrivers (a small set including Phillips and flat blades)

MSC #: 88537188   Wiha   7 pc screwdriver set
General Tools # 67123   7 pc Screwdriver Set

MSC #: 05716485   Klein 85484 4 pc precision screwdriver set
Klein 85484   4 pc precision screwdriver set

3. Long nose pliers (minimum 6" size)
MSC #: 00341693   Klein D203-6, 6" long nose plier
MSC #: 00341701   Klein D203-7 7" long nose plier
Klein D203   7 long nose plier
Channellock #317   8" long nose plier

4.Wire Stripper / crimper

(stripper, crimper and screw cutter)

MSC #: 01831825   Klein 1011 stripper / crimper
Klein 1011 stripper / crimper
Channellock #908 crimper

5. Flush cutter

MSC #: 88535455   Xuron 170-II   flush cutters

6. Soldering Station

(You MUST have an ADJUSTABLE
 HEAT soldering station.)

MSC #: 97985428   Weller, WLC100 Soldering Station, Maximum Temperature (°F): 900 Minimum Temperature (°F): 200

7. De-soldering Pump

MSC #: 79200093   OK Industries, DP-100, De-soldering Pump

8. Volt Ohm Meter (True RMS VOM)

MSC #: 02756831   Extech EX430 True RMS Multimeter

9. Solderless breadboard jumper wires. A kit such as REXQualis Electronics Component Fun Kit w/Power Supply Module, Jumper Wire, 830 tie-Points Breadboard, Precision Potentiometer,Resistor Compatible with Arduino, Raspberry Pi, STM32. This can be found at Amazon.