

# Recommended Tool List for EET

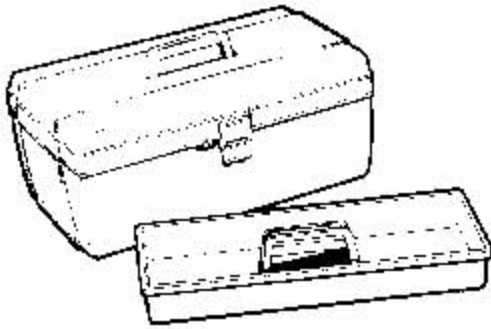
Each EET student shall provide their own basic tools in order to facilitate the laboratory portion of your education. The following represents the minimum which you should bring with you at the beginning of the semester.

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.