



## **Electrical Construction Tool List**

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The Electrical Construction and Maintenance Program at NMCC offers training in a variety of basic electricity, basic electronics, motor control, and advanced electrical wiring courses. As a result, certain tools will be used during the senior year but not required for the freshman year. The following list should help incoming students identify which tools will be required for the first year. Many of the tools on the senior year list will not be required until that year. Only those tools identified for the freshman year will need to be purchased prior to the fall semester start-up or during the first week of classes.

### **Notebook Computer Minimum System Requirements (FRESHMAN AND SENIOR)**

**Pentium 4 Processor or greater**

**40 GB Hard Disk Drive or greater**

**(10 GB unused space)**

**Working Battery (1 hr runtime minimum)**

**w/AC Power Supply**

**512 MB RAM or greater**

**DVD-ROM Drive**

**Wireless 54g Network Adapter**

**Available USB Ports**

### **Freshman Tools**

Small electronics Tool Kit, available at the NMCC Bookstore

Digital Multimeter, available at the NMCC Bookstore

### **Basic Wiring Tools (ELE112)**

Insulated handle screwdrivers, 3/16 and ¼ inch straight blade

Insulated handle #2 phillips driver

Linesman pliers, 9 inch insulated grip

Wirestrippers, T-Strippers recommended

Electrician folding knife

Long-nose pliers, insulated grip

Tapemeasure

Hammer

Sharpie (permanent fine point marker)

Tool carrier of your choice

1 and 2 pole breaker lockouts, with padlock and tags

Safety eyewear, ANSI approved

Safety footwear, ANSI approved hard toe

### **Motors & Controls (ELS125) in addition to all tools listed for (ELE112)**

Unlined leather gloves, electrician

Diagonal cutting pliers, 8 inch

Pump pliers, 9" or 10"

Nut driver set 3/16 thru ½ inch

Adjustable wrench, 6 inch handle or larger

Crimping tool, insulated and uninsulated terminals

## Senior Tool List on page 2

### The following is the tool list for Seniors (ELE212, ELE223)

Screwdrivers, insulated handles (insulated shank preferred)  
3/16, 1/4, 5/16, 3/8, Straight blade  
#2 Phillips  
#1 and #2 Robertson tip (square tip)  
Allen wrenches, SAE, torx and metric  
Adjustable wrench, 6 inch or larger handle  
Screw starter  
Electricians' tri-tap, 6/32, 8/32, 10/32 threads  
Hacksaw and blades for PVC (18-24 teeth) and steel (28-32 teeth)  
Magnetic protractor, Sears 9-3984, Klein 1895, or equal  
1/2 inch Knockout Punch for 1/2 inch conduit  
1/2 EMT bender (we can make a handle in the shop)  
Cordless drill (or screwdriver) and bit set which includes 1/4 and 5/16 hex bits  
7/8 inch ship auger bit, Naileater preferred  
1/2 inch step drill bit (unbit), 1/8 to 3/4 is OK  
Drill bit set, jobber length  
Torpedo level  
Jab saw  
Digital Multimeter CAT 3 or greater and lead set  
Tool carrier of your choice

**NOTE:** Check with your local tool supplier student package as a starter kit.

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