



Electrical Technology Tool List

Hays Campus

2021-2022

The following are the required tools for the **Electrical Technology** program. These tools can be purchased from the vendor of your choice. All tools are to be of the finest quality Klein, Greenlee, Ideal. Tools will be inspected prior to being used in the department. The department reserves the right to refuse the use of worn or defective tools or tools which do not conform to the specifications of this list and the department chairperson.

Required Tools and Equipment

| <u>Qty</u> | <u>Item</u> | <u>Klein Part No.</u> | <u>Greenlee Part No.</u> | <u>Ideal Part No.</u> | <u>No requirements on brand</u> |
|------------|---|-----------------------|--------------------------|-----------------------|---------------------------------|
| 1 | Diagonal-Cutting Pliers, High Leverage, 8in. | J228-8 | 0251-08D | 35-3029 | |
| 1 | Wire Striper 10-18 AWG Solid & 12-20 AWG Stranded | 11055 | ***1950-SSw/crimper | 45-915 | |
| 1 | Protective Eyewear, Black Frame, Clear Lens | 60053 | 01762-06C | | √ |
| 1 | Conduit-fitting and Reaming screwdriver | 85191 | 9753-11C | 35-083 | |
| 1 | Pliers, Long Nose Side-Cutters, 8 in. | J203-8N | 0351-08SM | 35-3038 | |
| 1 | Adjustable Wrench, Extra-Wide Jaw, 8 in. | D509-8 | 0154-08C | 35-020 | √ |
| 1 | Adjustable Wrench Extra Capacity, 12in | D507-12 | 0154-12C | 35-022 | √ |
| 1 | ¼" Screwdriver Heavy Duty Square Shank | 600-4 | 0153-11C | 35-154 | |
| 1 | 3/16" Cabinet Tip Screwdriver 3" Shank | A316-3 | 0153-21C | 35-183 | |
| 1 | 3/16" Cabinet Tip Screwdriver 6-in. Shank | A316-6 | 05153-22C | 35-186 | |
| 1 | 5/16" Screwdriver 6 in. SQ Shank | 600-6 | 0153-15C | 35-156 | |
| 1 | #1 Phillips Screwdriver, 3 in. Round Shank | 603-3 | 0153-31C | 35-193 | |
| 1 | #2 Phillips Screwdriver 4" Round Shank | 603-4 | 0153-33C | 35-194 | |
| 1 | 1/4" by 6" round shank screwdriver | 605-6 | 0153-26C | 35-154 | |
| 1 | Insulated Screwdriver, #2 Square, 4" Shank | 662-4-INS | 0353-33-INS | 35-9693 | |
| 1 | Insulated Screwdriver, #1 Square, 4" Shank | 661-4-INS | 0353-32-INS | 35-9691 | |
| 1 | 3/16" rapi-drive screwdriver | 670-3 | 0153-51C | 35-200 | |
| 1 | High leverage side-cutting pliers – fish tape pulling | J2013-9NE TP | 0151-09SM | 35-3012 | |
| 1 | 18 oz. hammer | 807-18 | 0156-11 | 35-210 | √ |
| 1 | Hard hat | 60025 | | | √ |
| 1 | Cable stripper | 74018 | 0252-11 | 45-025 | |
| 1 | Cable skinning Utility knife | 44218 | UT652-28 | 35-286 | |
| 1 | Auto ranging DMM *** – True RMS- | MM500N | | | |

| | | | | | |
|-----------------------|--|------------------------------|----------------|-----------------|---|
| 1 | ***Fuse for DMM (2) | | | | |
| 1 | Clamp Meter | CL800 | | | |
| 1 | Electricians Tool pouch | | | | √ |
| 1 | Small File, half round | | | | √ |
| 1 | GFCI Receptacle tester | RT210 | GT-10GFI | 61-501 | |
| 1 | Magnetic Bubble Level | 935AB4V | L77 | 35-207 | √ |
| 1 | Channel lock Plier 12" | D504-12 | 35-440 | 0451-10M | |
| 1 | Channel lock Pliers 10" | D504-10 | 35-430 | 0451-12M | |
| 1 | Electronics screwdriver kit or Multi-bit | 32581 multi, 85614 Kit | 0153-03C Kit | 36-249 Kit | |
| 1 | Large bag, backpack, tote etc for excess tools outside tool belt | | | | √ |
| Optional Tools | | | | | |
| 1 | Steel Fish Tape, 1/8" by 120' | 56120 | FTS438-125BP | 31-056 | |
| 1 | High Leverage cable cutter | 63050 | 727M | 35-3052 | |
| 1 | L-Style HEX Key Caddy Set 12-piece | LLK12 | | | √ |
| 1 | L-Style HEX Key Caddy Set Metric, 9-Piece | LMK10 | | | √ |
| 1 | Pliers, Long Nose Side-Cutters, 6-3/4 in. | J203-6 | 0351-06M | 35-036 | |
| 1 | Stubby Multi-Bit or 2 Pc combo | 32561 Multi | 05153-04C 2PC | 35-945 Multi | |
| 1 | Magnetic Nut Driver Set 3 in. Shaft, 7 Piece | 631M | 0253-01MAG | 35-299 | |
| 1 | Scratch awl | 650 | 9753-12C | 35-202 | √ |
| 1 | 25' tape measure | 86225 | 0155-25A | 35-238 | √ |
| 1 | Crimping/cutting tool | J1005 | ***On Stripers | KP1022 | |
| 1 | Fuse puller | | | 34-002 | |
| 1 | Tap tool | 626 | | 35-413 | √ |
| 1 | Hacksaw | 702-12 | 333A | 35-260 | √ |
| 1 | ½" EMT bender | 56203 | 840AH | 74-001 | |
| 1 | BX & AC cutter with extra blades | 53725 | 0952-01 | 35-782 | |
| 1 | Drill bit set | | | | √ |
| 1 | Flashlight and/or head lamp | 56028, 56220 | FLHEAD | | √ |
| 1 | Wallboard saw | 31737 | 301A | 35-275 | √ |
| 1 | Cordless tool set | | | | √ |

Estimated Cost:

required tools: \$600

optional tools:\$900

All tools together :\$1400

Note: Estimated costs reflect current market value and are subject to change.

INFORMATIONAL NOTES:

If you are going to research & gather the tools yourself you might want to look at pre-assembled kits and build off of them adding items not included.

When purchasing these tools you will want a bag, backpack, tote, etc. to put your excess tools in. there is limited space in the tool belts. All brands of tools specified on this list are chosen for warranty, quality, and longevity if used properly. You are not required to pick a Brand from the above list, they are suggested. Tools on the optional list WILL BE used in the electrical field outside of NCKTC Program, they are not required for the program.

Vendor Information:

Tool vendors will be available during Registration and Tool Days on campus. Tools may be purchased from **Boettcher Supply, Stanion Wholesale Electric, Border States Electric** and **Home Depot** or where specified tools are sold. Please feel free to contact the Department Chair with questions or for further information.

Please contact the Department Chair, Sam Bailey; sbailey@ncktc.edu or 785-301-2248, with questions or for further information.