



## Electrical Technology Tool List

Hays Campus

2023-2024

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

<b>Qty</b>	<b>Item</b>	<b>Klein Part No.</b>	<b>Greenlee Part No.</b>	<b>Ideal Part No.</b>	<b>No requirements on brand</b>
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			

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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				√
<b>Optional Tools</b>					
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.

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**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](mailto:sbailey@ncktc.edu) or 785-301-2248, with questions or for further information.