

Wind Power Technology Program Tool/Equipment List



Wayne Kilcollins, Instructor

Tool List - Estimated Cost First Year: \$1500
Estimated Cost Second Year - \$600

The following is a list of the most commonly used tools that each student will be required to purchase. Tools should be bought within the first weeks of classes.

Notebook Computer Minimum System Requirements (FRESHMAN AND SENIOR)

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|---|-------------------------------------|
| Pentium 4 Processor or greater | 512 MB RAM or greater |
| 40 GB Hard Disk Drive or greater | DVD-ROM Drive |
| (10 GB unused space) | Wireless 54g Network Adapter |
| Working Battery (1 hr runtime minimum) | Available USB Ports |
| w/AC Power Supply | |

Part #	Tool Description	Suggested Supplier
	Freshman Electronics Tool Kit	NMCC Bookstore
	O-Scope probe 1-10-X Gain	NMCC Book store
	Hard Hat, ANSI – Class E	NMCC Bookstore
	Safety Eyewear ANSI Approved	NMCC Bookstore
	Scientific Calculator	NMCC Bookstore
	“LOTO” lock and tag	Gilman Electric
	Safety Footwear ANSI Approved	
	Unlined Leather Gloves (good for climbing)	
	Digital Meter 1,000V/10A: CAT III or higher	Ideal/Fluke
	DVM cobo kit <u>listed with Senior tools</u> ; Optional	Fluke
	AC-Voltage Detection tool; CAT IV	Fluke
	Screwdriver flat glade 1/4"	Klien
	Screwdriver flat blade 3/16"	Klien
	Screwdriver flat blade 5/16"	Klien
	Screwdriver #1 Phillips	Klien
	Screwdriver #2 Phillips	Klien
4KU74	Dial or Digital 6" Caliper	Grainger
	Machinist Scale; steel, 6"	Grainger
	Screw pitch gage, V, 4 – 56 TPI; Optional	Grainger
	Screw pitch gage, V, 0.25 – 2.5 mm; Optional	Grainger
	9" Linesman Pliers	Ideal
	9" Diagonal Pliers w/cutter; Angled Head	Ideal
45-915	Wire Stripper	Ideal
30-4429	9-1/4" Multi Crimp tool for terminals	Ideal
	8 1/2" Long Nose Pliers w/cutter	Ideal
	8" Adjustable Wrench	Grainger
	SAE 10 pc. Combination Wrench Set; Optional	Gearwrench
	SAE 7pc. Nut Driver Set; Optional	Klien
35-410	13" Large Mouth Tool Carrier or <u>equivalent</u>	Ideal

Senior Tool List on page 2

Seniors – You will need all items from the Freshman list PLUS the following

Part #	Tool Description	Suggested Supplier
34-002	Dead-Blow Hammer; 14 oz; Optional	Westward
	SAE or Metric Feeler gages; 15 blades; Optional	KD Tool
	Pump Pliers; 10”, Insulated; Optional	Klien
	Med Fuse Puller; 7-1/2”; Optional	Ideal
	Tape Measure; 12’ or 25’	Stanley
	Telescopic Inspection Mirror; small; Optional	Grainger
	Retrieval Tool; magnetic; Optional	Grainger
	Head Lamp; three LED; Optional	Grainger
	9” Torpedo Level; magnetic; Optional	Grainger
	4 Piece Pick Set; rubber grip	Stanley
	Wire Brush Set; brass, wooden handle; Optional	Klien
	Tap Wrench; T-Handle, 1/6’ – 1/4’; Optional	Westward
	Hand Tap Set, 3pc, HSS, 1/4-20; Optional	Grainger
	Screw Extractor Kit; Optional	Westward
3G833	Auto Center Punch; Optional	Grainger
5TE17	Drill Bit Set; HSS, Jobber length, 1/16 – 1/4’; Optional	Grainger
	Drive Socket Set; 3/8’, SAE & Metric sockets	Gearwrench
	SAE Allen Wrench St, ball end, .050’ – 3/8’	Westward
44-973	Metric Allen Wrench Set; ball end, 1.5 – 10 mm	Westward
	Basic – Lockout Tagout Kit; Optional	Ideal
87V1MSK	Meter Combo Kit with i400 Amp Clamp; Optional	Fluke
61-765	660 Amp AC/DC Clamp Meter; Optional	Ideal

If you have any questions, please contact me at 768-2842 or nwkilcol@nmcc.edu.

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