

Electromechanical Technology Program Tool List

Tools required first day of classes.
Estimated Cost: \$2,000

Quantity	Description	Tool Part No.	Price	Check-In
	Program Required Tools			
	Tool Backpack or Tool Bag (Example: Milwaukee 48-22-8201 or 48-22-8300)			
	Personal Protective Equipment:			
1	Clear safety glasses (not goggles)			
1	Ear plugs			
1	Leather Gloves / Cut Resistant Gloves			
	3/8" Drive Set - To Include:			
1 set	6 pt. Standard (1/4" - 7/8")			
1 set	6 pt. Metric (6 - 22 mm)			
1 set	Extension Bars (3" and 6")			
	Wrench Sets:			
1 set	11 Standard (1/4" - 7/8")			
1 set	12 Metric (7, 8, 10 - 19 mm)			
1	Adjustable Wrench 10"			
	Nut Driver Set - To Include:			
1 set	Standard (1/4", 5/16", 3/8", 7/16", 1/2")			
	Screwdriver Set - To Include:			
1	Phillips #1x3"			
1	Phillips #2 x 4"			
1	Slotted 3/16" x 3"			
1	Slotted 1/4" x 4"			
1	Slotted 5/16" x 6"			
1	Square #1			
1	Square #2			
	Precision Screwdriver Set - To Include:			
1	Phillips #0 - 2-1/2" precision screwdriver			
1	Phillips #00 - 2" precision screwdriver			
1	Slotted 1/16" - 2-1/2" precision screwdriver			
1	Slotted 1/8" - 3-1/2" slotted precision screwdriver			
1	Slotted 3/32 - 2-1/2" precision screwdriver			
1	Slotted 5/32" - 4" precision screwdriver			
	Pliers:			
1	Vise Grip Pliers			
1	Long needle nose pliers			
1	10" Slip Joint / Pump Pliers			
1	7" diagonal cutters			
	Ball End Hex Key Set			
1	Standard			
1	Metric			
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	Miscellaneous Tools:			
1	VOM Digital Meter (0 to 700 Volts AC & DC, 0 to 2500 millivolts DC, 0 to 10 AC and DC Amps, Ohms 0 to 20 Megohm) CAT III or IV (Example Fluke 115 or Ideal 320 series)			
1	Clamp on amp meter (Fluke-323 or alternate)			
1	Hammer Nylon-Tip (Less than 1 lb.)			
1	Pocket Flashlight			
1	Multifunction Wire Strippers / Cutters 20 to 10 AWG			
1	Wire Connector & Terminal Crimpers			
1	Tape Measure – 25’			
1	3M ScotchCode STD Wire marker tape dispenser STD-0-9-dispenser (54007-12172)			
1	Small Drill Index and Tap Set Combination up to ¼” (Example: BOSCH, Item # BDT11S)			
1	Automatic Center Punch			
	Supplies required for the Related Welding Course:			
1	Welding helmet with #10 lens. Fixed or lift front. Can be auto darkening. Extra lenses. No sharing of welding hoods.			
1	Welding cap			
1	Welding cutting goggles with #5 lens. Green-2”x4 1/4” fixed front or auto welding hood that goes to a shade 4 or 5 lens for cutting.			
1	Clear safety glasses			
1	Ear plugs			
1	Standard pliers			
1	Mig welding or needle nose pliers			
1	Shielded metal arc leather and Gas metal arc leather welding gloves			
1	Chipping hammer			
1	Carbon steel wire brush			
1	Economy 4 1/2” grinder with two ¼” grinding wheels and 1 wire wheel attachment. You can purchase an inexpensive grinder for under \$20 if you currently don’t own one.			
1	Pocket flashlight			
1	Bucket or bag to haul supplies in. No lockers available in welding lab area.			
	PPE required for Related Welding Course:			
1	100% cotton long sleeve work shirt. To be worn under your flame-resistant jacket. NO HOODIES			
1	Fitted jeans with no holes or frays			
1	Flame resistant jacket 100% cotton			
1	Leather work boots can be steel toed. No sneakers			
	TOTAL COST			

Tools are required on the first day of classes in August.