

POWERSPORTS TECHNOLOGY REQUIRED BASIC TOOL LIST

1st semester Tool set:

- ☐ Fluke Multi-meter (**87 or 88)
- ☐ Terminal Removal Tool – (for Computer Control Terminal)
- ☐ 12V Test light (bulb-type, no logic probes)
- ☐ Wire-stripper/crimping-pliers
- ☐ Ear protection
- ☐ LED Pen light w/batteries

WELDING EQUIPMENT

(needed either 1st or 2nd semester depending on program)

- ☐ Burn Jacket or Welding Leathers
- ☐ Safety Glasses with side shields
- ☐ Gauntlet style welding gloves

2nd Semester Tool Set:

Tool Storage

- ☐ Roll Cabinet Tool Box: 56" Max Length

1/4" Drive

- ☐ 3/16"-9/16" 6pt and deep 6pt
- ☐ 5-14mm 6pt and deep 6pt
- ☐ 2" and 6" extensions
- ☐ Ratchet

Screwdrivers

- ☐ Phillips 1,2, and 3
- ☐ 1"x1/4" - 13"x1/2" flat blade including stubby
- ☐ magnetic ratcheting screwdriver
 - >> 1,2,3 Phillips bits
 - >> Torx bits 10,15,20,25,27,30,40

Pliers

- ☐ 6" slip joint combination
- ☐ 7" diagonal cut
- ☐ 6" needle nose
- ☐ 10" Channel Locks
- ☐ 6" Vise Grips
- ☐ Snap ring pliers (3 pieces)
 - >> Inside-outside combo small, medium, large

Hammers

- ☐ 16 oz. ball peen
- ☐ 16 oz. soft face dead blow

Punches/Chisels/Files/Saw

- ☐ Center punch
- ☐ Brass drift (min. 6")
- ☐ 10" flat, 8" round, 6" tri files
- ☐ 3/32"-5/16" pin punch
- ☐ 1/4" cold punch
- ☐ 3/8" drift punch (12")
- ☐ 1/2" cold chisel

- ☐ Air chuck/ Tire pressure inflator
- ☐ Tire psi gauge
- ☐ Valve core tool
- ☐ Rubber tip air nozzle
- ☐ Antifreeze tester
- ☐ Pick set (4 piece)
- ☐ Magnetic pick up tool (telescoping)

- ☐ Auto darkening welding helmet ("Grind Mode", #5 shade for oxy acetylene, and a #10 shade)
- ☐ MIG welding pliers (must be able to cut .035" welding wire)

Miscellaneous

- ☐ 6" dual dial caliper (metric and standard reading)
- ☐ 16" rolling head bar
- ☐ 1.5mm-10mm Allen wrench
- ☐ Rat tail file
- ☐ Hand impact driver w/Phillips 1,2,3
- ☐ Tank protector
- ☐ 4" soft jaw vice
- ☐ 12" hacksaw with blades

Wrenches

- ☐ Adjustable Wrench 10"
- ☐ Combination Wrench 6mm-19mm
- ☐ Combination Wrench 3/8"-1"
- ☐ Flare Nut 9mm,10mm,11mm,12mm

3/8" Drive

- ☐ ratchet 6"
- ☐ 6-19mm socket
- ☐ shallow and deep 6pt.
- ☐ 3/8"-3/4" socket
- ☐ shallow and deep socket 6pt
- ☐ spark plug 5/8" and 13/16" and 18mm
- ☐ (4) 1"-12" extensions
- ☐ drive long hex bit (metric - 4mm-10mm)
- ☐ drive breaker bar
- ☐ 3/8" drive impact socket (metric - 10mm-19mm)
- ☐ 3/8" drive impact socket (standard - 3/8"-3/4")
- ☐ 3/8" drive air impact gun
- ☐ 3/8" drive torque wrench 10-70 ft/lb

- ☐ Inspection mirror
- ☐ Pocket Screwdriver
- ☐ *Jumper wire set
- ☐ *Punch and Thread Kit W/Block

*These items are purchased through scc campus store or parts room.

- ☐ Ear Plugs (3 Pair)
- ☐ Leather Boots
- ☐ Denim pants (No holes or tears in them)
- ☐ Welding Beanie (optional but beneficial)

Recommended but optional:

- ☐ Oil filter socket set
- ☐ Automatic Center Punch
- ☐ 1/2" Drive Ratchet
- ☐ Hex Sockets – 12, 14, 17, 19, 22 & 24mm
- ☐ 1/2" drive sockets – 21, 22, 24, 27, 30, 32 & 34 mm
- ☐ 1/2" Impact Gun
- ☐ 1/2" Breaker bar
- ☐ 3/8" drive universal flex socket (10mm-19mm)
- ☐ 3/8" drive short hex bit (4mm – 10mm)
- ☐ 3/8" Drive Cordless Impact
- ☐ 3/8" - 24" extensions