

PIA Youngstown-Warren Branch Campus – Tools, Kits & Supply Requirements

The tools listed here may be purchased from any source. As a service to its students, PIA permits several vendors to visit the school and address new students concerning their tool needs. Acquisition of the tools listed is a requirement for successful progress. Students who do not obtain the required tools at the times indicated may be sent home by their respective instructors and will not be permitted to reenter school until they have acquired the prescribed tools.

The student must possess the tools listed on the first day of the semester indicated. These are new tools, which MUST be acquired for each quarter of study. Some tools used, particularly in later terms, are those previously purchased by the student, and are not listed here. The student may obtain an inventory of all tools required for a particular quarter of study from the appropriate instructor.

FIRST SEMESTER/UNIT

- Allen wrench set (up to 5/16")
- C-Clamps (2) 4"
- Combination wrench set (3/8 to 1")
(No universal spline type)
- Dial Caliper, 0-6" (no digital)
- Flashlight
- Hammer, soft face 12oz.
- Hemostat
- Inspection mirror (small, non-lighted)
2 1/4"
- Multimeter (Fluke 179 or
Amprobe34XR-A)
- Diagonal cutters
- Pliers, 6" combination (slip-jaw)
- Pliers, Fine Needle nose
- Pliers, Duck bill (Smooth Jaw)
- Pliers, round nose
- Steel Scale 6", 1/64" increments
- Screwdriver, common, 4" shank
- Screwdriver, common, 6" shank
- Screwdriver, Phillips, #1
- Screwdriver, Phillips, #2
- Socket set w/ratchet 1/4" drive (12
point)
- 25' Tape measure
- Socket extensions 3" & 6" 1/4"
(wobble type)
- Tool Box (20" x 8.5" x 9.5")
- Soldering Pencil (25W, grounded tip)
- Tweezers, curved tip
- Automatic Wire Strippers
- Apex Bit set
- Safety glasses
- Inspection Magnifier 10X

SECOND SEMESTER/UNIT

- Crescent wrench 6"
- Pocket knife

- Screwdriver, stubby combination
- Safety wire pliers (optional)
- Screwdriver set, miniature or jewelers
- Screwdriver, common, 3/8" x 12"
shank
- Adapter 1/4' to 3/8"
- Adapter 3/8" to 1/4"
- Breaker bar, 3/8"
- Crows foot set, 3/8" drive, 3/8" to 3/4"
- Drill set, fractional
- Extension, 3/8" x 6"
- Feeler gauge set
- Ignition wrench set
- Magnetic pick up
- Speed handle, 3/8 drive
- Punch, center
- Socket set w/ratchet 3/8"

THIRD SEMESTER/UNIT

- 2" Paint Brush
- Aviation snips, straight
- Cold chisel, 1/4" flat
- Drill bits- #5,11,13,18,21,30,40 & 30 co-
balt
- File handles (3each)
- File, half round, 8"
- File, mill, (bastard cut) 6"
- File, mill (bastard cut) 10"
- Acid Brush
- Hammer, ball peen, 12oz
- Hook scribe
- Jewelers file set
- Putty knife
- Nibbling tool
- Punch, pin 3/32"
- Punch, pin 1/8"
- Punch, pin 5/32"
- Respirator, organic vapor

(NIOSH:OV/P95)

- Scale, 12", 1/64" & 10ths increments
- Scissors, basic 3/4"
- Square, combination 12"
- Ultra fine point Sharpie

FOURTH SEMESTER/UNIT

- Needle, curved
- Needle, straight
- Welding goggles Shade 5 (lift front)
- Welding gloves

KITS AND SUPPLIES

FIRST SEMESTER

- TI-30X Calculator
- Drafting Kit
- Solderless Connector Kit
- Soldering Practice Kit
- Wire and Terminal Kit

SECOND SEMESTER

- Disposable Ear Plugs
- Magneto Timer Kit
- Respirator Kit

THIRD SEMESTER

- Marker (Blue or Red)

FOURTH SEMESTER

- Welding Tip Cleaner
- Panel Fasteners

NOTE: Kits and supplies, like text-
books, may change in accordance
with revisions in the curriculum.