PIA Pittsburgh Main Campus – Tools & Equipment Requirements

Effective February 2025

FOR STUDENTS STARTING BEFORE JULY 2026

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 quarter 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.

ALL STUDENTS

FIRST QUARTER
- Pliers, 6" diagonal cutters
- Pliers, Duckbill
- Scissors,basic 3-4"
- Wire strippers

SECOND QUARTER
- Allen wrench set (up to 5/16")
- Combination wrench set (up to 1")
- Flashlight
- Hammer, soft face, 12-oz
- Inspection mirror
- Multimeter, digital, with Temperature Probe (*See approved multimeter list)*
- Pliers, 6" combination (slip-jaw)
- Pliers, fine needle nose
- Pliers, round nose
- Screwdriver, common, 4" shank
- Screwdriver, common, 6" shank
- Screwdriver, Phillips, #1 x 3"
- Screwdriver, Phillips, #2 x 4"
- Ratchet, 1/4" Drive
- Socket set, 1/4" drive, 12 point, with 6" extension & bits
- Toolbox (9 1/2"H x 20"W x 8 1/2"D)
- Tweezers, curved tip

THIRD QUARTER
- Crescent wrench, 4-6"
- Pocket knife
- Screwdriver, common, stubby 3/16" x 1 1/2"
- Screwdriver, Phillips, stubby 3/16" x 1 1/2"

AMT ONLY

FOURTH QUARTER (AMT)
- Adapter, 1/4" to 3/8"
- Adapter, 3/8" to l/4"
- C-Clamps (2) 4 in.
- Crows foot set 3/8" to 3/4", 3/8 Drive
- Extension bar, 3/8" x 6"
- Feeler gauge set
- Magnet, pick-up
- Screwdriver, common, 3/8" x 12"
- Socket set, 3/8" drive
- Speed handle, 3/8" drive

FIFTH QUARTER (AMT)
- Aviation snips, straight
- Cold Chisel, 1/4" Flat
- Dial caliper, 0 to 6"
- File handles (3)
- File, half round, 8"
- File, mill (bastard cut) 10"
- File, mill (bastard cut) 6"
- Hammer, ball peen, 12 oz.
- Knife, putty, 1 1/2''
- Punch, center
- Punch, pin, 3/32"
- Punch, pin l/8"
- Punch, pin 5/32"
- Square, Combination, 12"

SIXTH QUARTER (AMT)
- Ignition wrench set

SEVENTH QUARTER (AMT)
- None

AET ONLY

FOURTH QUARTER (AET)
- Pliers, flush cut

FIFTH QUARTER (AET)
- None

SIXTH QUARTER (AET)
- Pliers, ignition

SEVENTH QUARTER (AET)
- None

Approved Multimeter Models

- AMT ONLY
  - Westward 22XX19
  - Amprobe 34XR-A
  - Amprobe 38XR-A
- AMT OR AET
  - Fluke 177
  - Fluke 179