PIA Pittsburgh Main Campus – Tools & Equipment Requirements

Effective July 1, 2026

FOR STUDENTS STARTING AFTER 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.

Students are required to obtain the tools listed for each term of study. For the first term, the tool acquisition deadline will be established by the instructors and communicated during the first week of class. For subsequent terms, students are expected to possess the required new tools by the first day of the term indicated. Some tools used, particularly in later terms, may have been purchased in previous terms and therefore are not listed again. Students may obtain a complete inventory of tools required for a particular term from the appropriate instructor.

ALL STUDENTS

FIRST SEMESTER

- Pliers, 6″ diagonal cutters
- Pliers, duckbill
- Scissors, basic 3-4"
- Wire strippers
- Multimeter, digital, with Temperature Probe (See approved multimeter list)
- Pliers, round nose
- Screwdriver, common, 4″ shank
- Screwdriver, common, 6″ shank
- Screwdriver, Phillips, #1 x 3″
- Screwdriver, Phillips, #2 x 4″

SECOND SEMESTER

- C-Clamps (Qty. 2) 4 in.
- Dial caliper, 0 to 6″
- Flashlight
- Inspection mirror
- Magnet, pick-up
- Pliers, needle nose
- Toolbox (9 1/2″H x 20″W x 8 1/2″D)

THIRD SEMESTER

- Allen wrench set (up to 5/16″)
- Combination wrench set (up to 1″)
- Crescent wrench, 4-6″
- Crows foot set 3/8″ to 3/4″, 3/8 drive
- Hammer, soft face, 12 oz.
- Pliers, 6″ combination (slip-jaw)
- Pocket knife
- Ratchet, 1/4″ drive
- Screwdriver, common, 3/8″ x 12″
- Screwdriver, common, stubby 3/16″ x 1 1/2″
- Screwdriver, Phillips, stubby 3/16″ x 1 1/2″
- Socket Adapter, 1/4″ to 3/8″
- Socket Adapter, 3/8″ to 1/4″
- Socket Extension, 3/8″ x 6″
- Socket set, 1/4″ drive, 12-point, with 6″ extension & bits
- Socket set, 3/8″ drive
- Speed handle, 3/8″ drive

AMT ONLY

FOURTH SEMESTER (AMT)

- Aviation snips, straight
- Cold Chisel, 1/4" flat
- File handles (Qty. 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 1/8″
- Punch, pin 5/32″
- Punch, pin, 3/32″
- Square, Combination, 12"

FIFTH SEMESTER (AMT)

- Feeler gauge set
- Ignition wrench set
- Tweezers, curved tip

AET ONLY

FOURTH SEMESTER (AET)

- Pliers, flush cut

FIFTH SEMESTER (AET)

- Pliers, ignition

Approved Multimeter Models

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