PIA Branch Campuses – 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.

FIRST SEMESTER

- Automatic wire strippers, 16–24 gauge (no auto-adjusting)
- C-clamps, 4″ (Qty. 2)
- Combination wrench set, 3/8″ to 1″ (no universal spline type)
- Diagonal cutters
- Dial caliper, 0–6″ (no digital; must read .001 increments)
- File handles (Qty. 3)
- File, half-round, 8″
- File, mill, bastard cut, 10″
- File, mill, bastard cut, 6″
- Flashlight
- Hammer, soft face, 12 oz.
- Inspection mirror, small, non-lighted, 2 1/4″
- Multimeter (See approved multimeter list)
- Pliers, combination slip-jaw, 6″
- Pliers, duckbill
- Pliers, needle nose
- Pliers, round nose
- Safety wire pliers
- Screwdriver bit set
- Screwdriver, common, 4″ shank
- Screwdriver, common, 6″ shank
- Screwdriver, Phillips, #1
- Screwdriver, Phillips, #2
- Socket Adapter, 1/4″ to 3/8″
- Socket Adapter, 3/8″ to 1/4″
- Socket extensions, 3″ and 6″, 1/4″ drive (wobble type)
- Socket set with ratchet, 1/4″ drive (12-point sockets)
- Socket set with ratchet, 3/8″ drive (12-point sockets)
- Tape measure, 25′
- Toolbox, 20″ x 8.5″ x 9.5″
- Tweezers, curved tip
- Utility knife

SECOND SEMESTER

- Aviation snips, straight
- Breaker bar, 3/8″
- Cold chisel, 1/4″ flat
- Crescent wrench, 6″
- Crowfoot set, 3/8″ drive, 3/8″ to 3/4″
- Feeler gauge set
- Hammer, ball peen, 12 oz.
- Hook scribe
- Ignition wrench set
- Jeweler's file set
- Magnetic pickup
- Punch, center
- Punch, pin, 1/8″
- Punch, pin, 3/32″
- Punch, pin, 5/32″
- Putty knife
- Scissors, basic, 3–4″
- Screwdriver, common, 3/8″ x 12″ shank
- Screwdriver, stubby combination
- Socket Extension, 3/8″ x 6″
- Speed handle, 1/4″ or 3/8″ drive (adapters will be used for other drive sizes)
- Square, combination 12″

THIRD SEMESTER

- No additional items required

FOURTH SEMESTER

- No additional items required

Approved Multimeter Models

Westward 22XX19
Amprobe 34XR-A
Amprobe 38XR-A
Fluke 177
Fluke 179

NOTE: Tools and equipment, like textbooks, may change in accordance with revisions in the curriculum.