Pennsylvania College of Technology
A Penn State Affiliate

2027–28 Tools & Supplies

On-Site Power Generation Technology
School of Engineering Technologies
ESC, Room 105 | 570.320.8038
Updated 9/26

Program/Major Note

- You may purchase the required toolkit from The College Store or build your own using the Alternate Toolkit list.

Required from The College Store

Toolkit	$6,995
Uniform Shirts (3 recommended)	$35 each

Other Required Items

Laptop Computer*	$400–$700
E-Rated Hard Toe Boots	$100–$200

* See laptop requirements at www.pct.edu/catalog/majors/pgt.

Alternate Toolkit

See the next page for the list of tools needed to build your own kit.

Alternate Toolkit List

Tool Box:

- Lockable Roller Cabinet, No larger than 40" Wide by 20" Deep

Safety/Misc.:

- Hearing Protection (band or muff style)
- Safety Glasses
- Flashlight
- Telescopic Magnetic Pick-Up Tool

3/8 Drive Socket:

- 3/8" Ratchet
- 3/8" Drive 12-Point/SAE/Shallow Socket Set
- (1/4”, 5/16”, 3/8-7/8")
- 3/8" Drive 6-Point/SAE Deep Socket Set (1/4”-7/8")
- 3/8" Drive 12-Point/Metric Deep Socket Set
- (8-19 mm)
- 3/8" Drive Short extension (2"-5")
- 3/8" Drive Long extension (6"-11")

1/2" Drive Socket:

- 1/2" Drive Ratchet
- 1/2" Drive 18" Breaker Bar
- 1/2" Drive 12-Point/Metric Deep Socket Set
- (12-24 mm)
- 1/2" Drive 12-Point/Metric Shallow Socket Set
- (12-24 mm)
- 1/2" Drive 12-Point/SAE Deep Socket Set (3/8”-1 1/8")
- 1/2" Drive 12-Point/SAE Shallow Socket Set
- (3/8”-1 5/16")
- 1/2" Drive Short Extension (2"-5")
- 1/2" Drive Long Extension (6"-11")
- 1/2" Drive SAE Adjustable Click-Type Fixed Ratchet Torque Wrench (50–250 ft-lb)

Wrenches:

- 12-Point/SAE Combination Wrench Set (3/8”–7/8')
- 12-Point/Metric Combination Wrench Set (10–19 mm)
- 8mm/12-Point/Metric Combination Wrench
- 15/16"/12-Point/SAE Combination Wrench
- SAE L-Shaped Ball Hex Wrench Set (0.05”-3/8”)
- Metric L-Shaped Ball Hex Wrench Set (1.5-10mm)

Measuring:

- 6" Dial Caliper
- 0-1" Micrometer
- 25' Tape Measure
- Digital Multimeter (Klein MM720)
- SAE/Metric Feeler Gauge Set

Hammers/Punches:

- 24 oz Ball Peen Hammer
- 24 oz Soft Grip Dead Blow Hammer
- Punch and Chisel Set
- 12" Bronze Drift Punch
- 16" Prybar
- Single Bevel Putty Knife

Pliers:

- 12" Adjustable Joint Pliers
- 3 pc Pliers Set (Cutters, Long Nose Pliers & Slip Joint Pliers)
- 7" Soft Grip Curved Jaw Locking Pliers (Vise Grip)
- 7" Wire Stripper/Cutter/Crimper

Screwdriver/Picks:

- Standard Screwdriver Set (Phillips/Straight)
- 4 pc Miniature Pick Set
- Scribe, Straight End/90-Degree End

Electrical Tools:

- Fluke Industrial Multimeter (87V)
- Klein Clamp Meter (CL900)
- Klein Test Leads (69381)
- Klein Meter Magnetic Hanger (69417)
- Klein Insulated Screwdriver Set (85076INS)
- Fuse Tongs (Fuses 15/16" to 1")
- Fuse Tongs (Fuses up to 15/16" D)
- 10' Retractable Test Leads