Diesel Equipment Technology (AAS & Diploma)
Tool List

Tools may be purchased from any good tool vender but we suggest a reputable company that will stand behind your purchase. The major tool venders give great tool discounts to the student. The toolboxes vary in price and size but we recommend the 40” wide and 7 drawer bottom or equivalent to start with.

Required Tools
- **SAFETY GLASSES**: Must be clear or yellow lenses and make sure they are comfortable so you will wear them!!
- **LEATHER WORK BOOTS**: Good leather work boots will help protect your feet in the lab.
- Bottom roller cabinet
- Socket sets
  - ¼” drive set
    - 6 point 3/16” to 9/16” (10 pieces)
    - 6 point 4 to 15 mm sockets (12 pieces)
    - 1 1/5 “ extension
    - 3” extension
  - 3/8” drive set
    - 12 point 3/8” to 7/8” (9 pieces)
    - 6 point deep well 3/8” to 7/8” (9 pieces)
    - 12 point metric 6 mm to 19 mm (14 pieces)
    - 3” extension
    - 6” extension
    - 10” extension
    - ½” to ¾” socket adapter
    - 3/8” universal joint
  - ½” drive set
    - 12 point 3/8” to 1 ¾” (14 pieces)
    - 12 point deep well ½” to 1 1/8” (9 pieces)
    - 12 point metric socket set 12 mm to 24 mm (13 pieces)
    - 5/8” & 13/16” spark plug socket
    - 2” extension
    - 6” extension
    - 12” extension
- Breaker bar
  - 3/8” drive & ½” drive 18” (or equivalent)
- Ratchet
  - ¼” drive
- 3/8” drive 7” (or equivalent)
- 3/8” drive 10” flex handle (or equivalent)
- 1/2” drive Long (Approx. 17”)

- Wrenches
  - Combination
    - 12-point ¼” to 1 ¾” (17 pc)
    - 12 point Metric 7 to 22mm (16 pc)
    - Flare nut set 3 piece 3/8” to ¾”

- Rolling head pry bar 16” X 9/16”
- 24” X 7/8” Line up pry bar
- O-ring pick set of 4 (or equivalent)
- 14 piece hex wrench set .050” to 3/8”
- Gasket scraper
- Flashlight
- 25 piece feeler gauge set .0015” to .035” (or equivalent)
- Short blade feeler gauge set
- Adjustable hacksaw tension adjustable (good quality)
- Blowgun lever action
- Fluke Volt Ohm Meter FLUKE 87 (no substitution)
- 6” steel ruler
- 12-piece punch, chisel and line up set
- Magnetic retrieval tool (adjustable to 24”) or equivalent
- Screw extractor set
- 16 ft measuring tape
- 0 to 6” Vernier caliper (not plastic)
- 0 to 1” outside micrometer (.0001”) No digital
- 0 to 25 mm outside micrometer (.01mm) No digital
- High Impedance Test Light
- OTC 7100 Lifting Hooks

- Files
  - 10” round
  - 12” flat
  - 2 handles

- Hammers
  - 40 oz. cross pein
  - 40 oz. dead blow
  - 12 oz ball pein

- Pliers
  - 6” Diagonal
  - 6” Needle nose
  - 7” Slip joint
- External snap ring
- Internal snap ring
- Retaining ring pliers
- Vise Grip 10"

• Screwdrivers
  - Slotted set
  - #1,#2,#3 Phillips assortment

• Torque wrench
  - Click type ½” drive 250 ft. lbs.
  - 3/8” 10 – 75 ft. lbs. dial or arm type

Optional Tools
• Top Chest
• Socket Sets
  - ¼”dr. deep well sockets ¼” to 9/16”
  - 3/8 “dr. 12 point deep well sockets 3/8” to 7/8”
  - 3/8”dr. 6 point sockets 3/8” to 7/8”
  - 3/8”dr. 6 pt metric sockets 10 mm to 19 mm
  - ½”dr. 6 pt impact sockets 7/16” to 1 1/8”
  - ½”dr. 6 pt impact sockets 10 mm to 24 mm
  - ¾” drive set

• Wrenches
  - Combination
    - Stubby set
    - 6 point set