

Diesel Technology Program Toolkit

Students in the Diesel programs are required to have a toolkit for lab activities. This document provides a list of the minimum requirements. A Snap-On toolkit may be purchased directly from the IWCC cashier. It is best to purchase it prior to the beginning of the semester to insure delivery in time for lab activities. If you currently own some tools of professional quality, you can purchase what you need to fill out your set.

- Toolkits will be kept in the program area and must not be removed until the student has completed the program. Program staff and the student will inspect their box and contents when the student leaves the program.
- Toolbox should not exceed 40 inches.

The total cost of tools for this program is estimated to be approximately \$5,240. If you have financial aid and expect a refund this semester, you may be able to apply the refund toward the purchase of your toolkit. To see if you have a refund coming to you, contact your College Success Advisor.

Toolkit Minimum Requirements

FIRST YEAR SET- For Diesel Mechanics Diploma ONLY

Locking toolbox, no wider than 40" x 24"

1/4" Drive Standard Handle Ratchet

1/4" Drive Extensions

1/4" Drive 6-Point SAE Shallow Socket Set (3/16"-5/8")

1/4" Drive 6-Point SAE Deep Socket Set (3/16"-5/8")

1/4" Drive 6-Point Metric Shallow Socket Set (4-14mm)

1/4" Drive 6-Point Metric Deep Socket Set (4-14mm)

3/8" Drive Standard Handle Ratchet

3/8" Drive Standard Handle Locking Flex-Head Ratchet

3/8" Drive Adaptor

3/8" Drive Extensions

3/8" Drive 6-Point SAE Shallow Socket Set (1/4-7/8")

3/8" Drive 6-Point SAE Deep Socket Set (1/4-7/8")

3/8" Drive 6-Point Metric Shallow Socket Set (8-19 mm)

3/8" Drive 6-Point Metric Deep Socket Set (8-19 mm)

1/2" Drive Standard Flex-Head Ratchet

1/2" Drive 24" Standard Handle Breaker Bar

1/2" Drive Torque Wrench (40-250 ft-lb)

1/2" Drive Impact Extension Set

1/2" Drive Adaptor

1/2" Drive 6-Point SAE Shallow Impact Socket Set (3/8-1")

1/2" Drive 6-Point Metric Shallow Impact Socket Set (10-24 mm)

TORX Socket Driver Set T6-T60

External Torx Socket Set E4-E24

Metric Hex Socket Driver Set (2.5mm - 19mm)

SAE Hex Socket Driver Set (1/8" - 3/4")

12-Point SAE Standard Combination Wrench Set (3/8-1")

12-Point Metric Standard Combination Wrench Set (10-19 mm)

6-Point SAE Double End Flare Nut Wrench Set (1/4-13/16")

Cutter/pliers set (diag cutter, needle nose, slip joint, adj. pliers)
Pliers, Locking, Standard Grip, Curved Jaw, 10"
Wire Stripper/Crimper/Cutter, 7"
5pc Snap-Ring Plier Set, external/internal
Feeler Gauge (.0015–.035")
24 oz Ball Peen Dead Blow Hammer
32 oz Dead Blow Hammer
Single Bevel Putty Knife
Rigid Carbon Scraper
Punch and Chisel Set (Mixed assortment of @least 10 pcs)
Radiator Hose Pick
4 pc Miniature Pick Set
10 pc Mixed Screwdriver Set (regular and miniature sizes of each)
4 pc Striking Prybar Set
Telescoping Inspection Mirror
Telescoping Magnetic Pickup Tool
Oil Filter Pliers

SECOND YEAR SET (recommended, not required during first year) For Diesel Technology, A.A.S.

12" rolling head prybar
16" rolling head prybar
10" flat mill file
10" round file
12" drift pin punch
15" drift pin punch
10" Bronze Round Punch
6" Oval Bearing Race Punch
32 oz Ball Peen Hammer
1/2" Drive 6-Point SAE Deep Impact Socket Set (1/2–1-1/4")
1/2" Drive Long Handle Ratchet
5/16" 12-Point SAE Standard Combination Wrench
1/4" 12-Point SAE Standard Combination Wrench
1-1/16" 12-Point SAE Standard Combination Wrench
1-1/8" 12-Point SAE Standard Combination Wrench
1-1/4" 12-Point SAE Standard Combination Wrench
12" Adjustable Wrench
18" external pipe wrench
Blow Gun, Tapered Rubber Tip
Oiler

Tool list updated 1/2025

