

Automotive Technology

Instructor Required Items



Please note: The items listed are a requirement for this program but are not eligible to be purchased through TCAT Dickson nor Follet bookstore. Please see your instructor for further details about when the items are needed for your program.

First Trimester Required Supplies:

Safety Glasses

Industry Standard Uniforms

Second Trimester Required Tools:

Service Cart with Locking Top & Drawers

Air Blow Gun (OSHA required) (Napa)

Battery Post Cleaner

Battery Terminal Pliers

Battery Terminal Puller

Claw Type Pickup Tool

Ear Protection

Phillips Screwdriver Set

Ratchet - 1/4 "

Spark Plug Feeler Gauge (Cap Tool)

Test Light (12V)

Torx® Set

Flashlight

Fuse Puller

Magnetic Pickup Tool & Inspection Mirror

Phillips Screwdriver Set

16 oz. Ball Peen Hammer

Rubber Mallet Hammer

Screwdriver (Blade Type):

Stubby #1

Stubby #2

6" #1

6" #2

12" #3

Offset #2

Socket Set - 1/4" Drive:

1/4" - 1/2" Standard Depth

1/4" - 1/2" Deep

5mm - 13mm Standard Depth

6mm - 13mm Deep Set

Feeler Gauge (Blade Type)

.002" - .040"

.006mm - .070mm

Combination 6" Plier

Needle Nose 6" Plier

Side Cutting Plier

Third Trimester Required Tools:

Brake Spoon

Combination Wrenches: (Craftsman 9-44049)

Standard (1/4" - 1 1/4")

Metric (7mm - 24mm)

Flare Nut (tubing) Wrenches:

Hack Saw

Hammer -- Plastic Tip

Locking Jaw Plier

Slip Joint (Water Pump) Plier

Straight Pry Bars 1/2 X 16

Socket Set - 3/8" Drive (21 piece) includes:

5/16" - 3/4" Standard Depth (6 point)

3/8" - 3/4" Deep (6 point)

5/8" Spark Plug Sockets

13/16" Spark Plug Sockets

Socket Set

10mm - 19mm Standard Depth

10mm - 19mm Deep

3" Extensions

5" Extensions

Carbon 1" Scraper
Gasket 1" Scraper
Flexible Socket Set 10mm - 19mm
Flexible Socket Set 3/8" - 3/4"
3/8" Air Ratchet (Ingersol Rand)
Metric 6PT 9 X 11MM, 10 X 12MM,
13 X 14MM
Std 6PT 1/2 X 9/16, 5/8 X 11/16, 3/8 X 7/16

Fourth Trimester Required Tools:

Adjustable Wrench - 6"
Adjustable Wrench - 12"
Allen (Wrench or Socket) Set:
 Standard (.050" - 3/8 ")
 Metric (12mm)
 Metric (2mm - 7mm 10mm,)
Chisels & Punches: Set includes
 Cape 5/16" #940
 Cold 1/2", 3/4" #930
 Center Punch #949
 Brass Drift Punch #903
 Pin Punch 3/32", 1/8" #906
 Taper Punch 3/8", 1/2", 5/8" #963
Crowfoot Wrench Set - Metric
Crowfoot Wrench Set - Standard
Brass Hammer
Flip Socket Set, 3 piece

Fifth Trimester Required Tools:

Files: 5 pc set
 Mill 8", Round 8", Slim Taper 7"
 8" Half Round
 Hobby Rasp 8"
Screwdriver - Impact Driver Set
Tape Measure - Standard & Metric

10" Extensions
Flexhead Ratchet
Ratchet
Speed Handle
Universal Joint
Jumper Wire Set
(2 wires per set x 2 sets = 4 wires)

Socket Set - 1/2" Drive:
 7/16" - 1 1/8" Standard Depth
 10mm - 24mm Deep
 24mm socket
 3" Extensions
 6" Extensions
 12" Extensions
 Ratchet
Torque Wrench 1/2" Drive (25 - 250 lb. Ft.)
Flex Handle (Breaker Bar)
Wire Brush
1/2" Air Impact (Ingersol Rand)
1/2" Impact Socket, Metric deep
1/2" Impact Socket, Metric shallow
1/2" Impact Socket SAE, deep
1/2" Impact Socket, shallow

Screw Starter:
 Phillips
 Standard
Torque Wrench:
 3/8" Drive (10 - 250 lb. In.)
 3/8" Drive (5 - 75 lb. Ft.)