

Automotive Technician Certificate Tool List

Please note, at all times, Red River College will not be responsible for any missing or stolen tools, in whole, or in part during the academic year. Insurance for tool coverage is the responsibility of the student.

**** No top boxes, toolbox must not exceed specified dimensions**

Toolbox

- Metal Lower Rolling Toolbox Cabinet ONLY, min dimensions 13D x 24W x 29H, max dimensions 19D x 36W x 32H

Pliers

- 8" combination pliers
- 6" needle nose pliers
- 8" diagonal cutters
- 12" Channel lock pliers
- 7" Locking Jaw Pliers (Curved Mouth) aka. Vise Grips

Screwdrivers

- Screwdriver Holder
- Screwdrivers, standard slotted (Flat)
- Screwdrivers, Phillips (Star)
- Screwdrivers, 5-piece, Torx

**** No multi-bit driver sets (these are not screwdrivers)**

Wrenches

- Wrench set, combination, 8mm-24mm sizes
- Wrench Holder

Ratchets & Socket Sets

- Ratchets, ¼", ⅜", ½" drive
- Socket Holders
- Socket Set, ¼" drive, 3/16" - 1/2" standard, shallow and deep sockets, 6-point
- Socket Set, ¼" drive, 5mm - 13mm metric, shallow and deep sockets, 6-point
- Socket Set, ⅜" drive, 3/8" - 7/8" standard, shallow and deep sockets, 6-point
- Socket Set, ⅜" drive, 8mm - 19mm, shallow and deep sockets, 6-point
- Socket Set, ½" drive, 1/2" - 1 1/8" standard, shallow sockets, 6-point
- Socket Set, ½" drive, 10mm - 24mm, shallow sockets, 6-point
- Spark Plug Sockets, 5/8", 13/16"
- Drive adapters for ¼, ⅜, ½
- Breaker Bar, ½" drive, 24" length
- Extensions, ¼", ⅜", ½" drive, 3" & 6" length
- Socket Torx Bit Set, T10 – T55
- Socket Hex Key Set, metric, and standard sets

Punch / Chisels

- Punch and Chisel Set (needs to include center punch)
- Brass Punch Set
- Pick Set
- Heel Head / Aligning Bar, 16"

Hammers

- Hammer, ball peen, 16oz
- Hammer, ball peen, 32oz
- Hammer, composite dead blow, 16oz

**** No claw hammers or rubber mallets**

Pry Bars

- Pry Bar Set

Miscellaneous Tools

- Metal Gasket Scraper
- Electrical Wire Crimpers/Strippers
- Telescoping Magnetic Pick-up Tool
- Telescoping Mechanics Mirror
- Small LED Pen Light (cell phone light not allowed)
- 12" flexible Stainless-Steel Ruler
- Steel Tape Measure, 25 ft.
- Flat Feeler Gauge, 25-blade, 0.0015" – 0.035"
- Digital Vernier Caliper, 0" – 6"
- Air Blow Gun (restricted)
- "M"- style Air Male Fittings (x2)
- Tire Chuck (for inflating tires)
- Tire Pressure Gauge, 5psi – 50psi
- Tread-depth Gauge
- Valve Stem Core Removal Tool (screwdriver-style)
- Set of Files
- Hacksaw 12" with blade 24tpi
- Brake Line Double Flaring Kit
- Power Steering Pump Pulley Puller Kit
- DVOM Multimeter – Fluke DMM 107 (C12A Kit/Case optional) – See Book & Supply List

PPE (Personal Protective Equipment)

- Box of Nitrile disposable Gloves (Box of 50) – See Book & Supply List
- Chemical Resistant Natural Rubber Gloves (Green) – See Book & Supply List
- Coveralls, Navy Blue – See Book & Supply List
- Steel Toe Boots, CSA Approved – See Book & Supply List
- Clear Safety Glasses, CSA Approved – See Book & Supply List