# Lower Columbia College - Automotive Department

## Minimum Tool Requirement List

This document outlines the minimum tool requirements for students enrolled in the Automotive program at Lower Columbia College. Tools are organized by category for ease of reference. Each section lists the necessary items with metric sizes where applicable.

### 6 Point Metric Socket Sets

* 1/4” Metric Set
* 3/8” Metric Set
* 1/2” Metric Set

### Drivers and Extensions

* ¼” Drivers and Extensions
* 3/8” Drivers and Extensions
* 1/2” Drivers and Extensions
* Extensions: 1.5”, 2”, 3”, 4”, 5”, 6”, 8”, 12”
* Universal Joint (various sizes)

### Combination Wrench Set (12 Point Metric)

* 8mm through 24mm

### Miscellaneous Tools

* Adjustable Wrench (12”)
* Adjustable Joint Pliers (10”)
* Ball Peen Hammer (16oz.)
* Battery Post Cleaner
* Blow Gun (Plastic Tip)
* Brake Spoon
* Carbon Scraper
* Diagonal Cutting Pliers (7”)
* Digital Volt Meter
* Feeler Gauge (General Use)
* Feeler Gauge (Non-Ferrous)
* Fine File (10”)
* Hacksaw (12” Blade)
* Ignition and Spark Plug Gauge
* Ignition Pliers (4-1/2”)
* Magnetic Pick-up Tool
* Needle Nose Pliers (7”)
* Plastic Tip Hammer
* Pry Bar
* Safety Glasses
* Screw Starter
* Spark Plug Socket (5/8”)
* Spark Plug Socket (13/16”)
* Steel Ruler
* Tape Measure
* Test Light
* Tire Pressure Gauge
* Tool Box (3 Drawer Roll Away)

### Punches and Chisels

* Center Punch (3/16”)
* Pin Punch (3/32” x 9-1/4”)
* Pin Punch (5/32” x 5”)
* Pin Punch (3/16” x 6-1/4”)
* Starter Punch (3/32” x 5-1/4”)
* Starter Punch (5/32” x 6”)
* Starter Punch (3/16” x 6-1/4”)
* Flat Chisel (3/8” Edge x 5-1/2”)
* Flat Chisel (1/2” Edge x 6”)
* Flat Chisel (5/8” Edge x 6-1/2”)

### Standard Screwdrivers

* 1/4” x 1.5”
* 3/16” x 3”
* 1/4” x 4”
* 5/16” x 6”

### Phillips Screwdrivers

* #1 x 3”
* #2 x 1.5”
* #2 x 4”
* #3 x 6”

Note: All tools must meet industry standards and be in safe working condition before use. Students are responsible for maintaining their own tool sets.