



The following is a list of the required tools needed in the Aviation Technology program. The student is required to have the tools available for the required lab classes. The Industry and Transportation Department will arrange a tool day for all students. You will be notified when this tool day has been arranged, usually the middle of August. Various distributors come to the college to take student orders and to show the students the tool sets. Buying from these distributors can save you 50-60%.

## **AVIATION TECHNOLOGY DEPARTMENT: Basic Required Tool List**

Safety glasses or Safety goggles (Must be able to go over prescription glasses if applies)

Ear protectors (Over the ear)

Tire pressure gauge

Multi-meter (Digital)

Soldering iron

Air chuck, with required fittings

Air gun nozzle

Wire brush

Combination square

Inspection mirror (Square and round, small and medium sizes)

Drill bits, 6 ea. #30 Drill bits, 6 ea. #40 Drill bits, 6ea. #21 Drill bits

Feeler gauge .0015" to .035"

File, mill cut-8" File, 1/2" round bastard cut-8" File, round-8" (With handles)

Flashlight heavy duty (LED, handheld and headlight types)

Hack saw and blades – 32 teeth per inch

Hammer, ball peen 12 oz. Hammer, ball peen 4 oz.

Hammer, with plastic and rubber tips

Mallet, soft blow, rubber (Medium)

Wrench set, Hex (SAE and Metric)

Wrench set, combination, open end 5/16 to 1 1/2" (Must be open end, but can also add ratcheting type)

Wrench set, combination, ignition set

Wrench set, adjustable small, medium and large

Plier, Water pump, (AKA) Channel lock, small and medium

Plier, Duck bill

Plier, Diagonal cutting, medium

Steel Ruler 6"

Steel Punch and Chisel set

1/2 Drive ratchet, 3/8 Drive ratchet, 1/4 Drive ratchet

Drive extensions 1/2 drive, 3/8 drive, 1/4 drive (All 5" and 8" lengths)

Socket set, 1/4" drive 12 point - 3/16" to 1"

Socket set, 3/8" drive 12 point – 1/4" to 1 1/4"

Socket set, 3/8" drive 12 point (Deep) 1/4" to 1"

Socket set, 1/2 drive 12 point – 1" to 1 1/2 "

Socket 1/2" drive 5/8" and 7/8" (Deep) 12 point

Universal swivel joints 1/4", 3/8" and 1/2" drive

3/8 inch to 1/2-inch socket set adapter

1/2 inch to 3/8-inch socket set adapter

Screw driver sets Flat and Philips

Aviation sheet metal sheers (Straight cut, Right cut and Left cut)

Toolbox (Carry type and capability to put a lock on. Toolboxes will be stored in a secured locked cage.)