



## AVIATION MAINTENANCE TECHNOLOGY

### REQUIRED TOOL LIST

REVISED 11/16/07 (per AVM Student Handbook)

~Tools are not needed the first day of class but are *required* by the second week of the semester.~

### TOOLS

Under our FAA certification, each student is required to have in the hangar a complete tool box during all hours of classroom and shop instruction. Failure to have a complete tool box during all hours of instruction will result in penalties which include, but are not limited to, a reduction in course lab evaluation or an F in the course. See following list.

**REQUIRED TOOL LIST:**

<b><u>Quantity</u></b>	<b><u>Description</u></b>
1 Each	Duckbill Pliers
1 Each	Needle Nose Pliers
1 Each	Combination Slip-Joint Pliers
1 Each	Standard Diagonal (Side) Cutter
1 Each	Ratchet – ¼ “Drive
1 Set	¼” Drive Sockets- Deep 6 or 12 Point; 3/16"-1/2"
1 Set	¼” Drive Sockets- Standard 12 Point; 3/16"-1/2"
1 Each	Extension- ¼” Drive; 3" Length
1 Each	Extension- ¼” Drive; 6" Length
1 Each	Ratchet- 3/8” Drive
1 Set	Sockets- 3/8” Drive - Standard 6 Point; ¼”-7/8” (11 pieces)
1 Each	Socket 3/8” Drive-Deep 6 Point 7/8”
1 Each	7/16” Open end Crowsfoot, 3/8” Drive
1 Each	Extension- 3/8” Drive; 3" Length
1 Each	Extension- 3/8” Drive; 6" Length
1 Each	Adapter- 3/8” to 1/2”

<b><u>Quantity</u></b>	<b><u>Description</u></b>
1 Each	Adapter- ¼” to 3/8”
1 Each	Adapter- 3/8” to ¼”
1 Set	Hex Wrench Set- (15 pieces <u>minimum</u> )
1 Each	Plastic Tipped Hammer (16 ounces)
1 Each	Ball Peen Hammer (8 ounce head)
1 Each	Flat Hand File- Single Cut Mill, 10”
1 Each	Hacksaw w/ spare blades
1 Each	Combination Wrench Set- 12 Point; 5/16"- 7/8” (10 pieces)
1 Each	Steel Scale- 6 Inch (1/64" graduations)
1 Each	Machinist, combination or Tri-square
1 Each	Tape Measure- 8 Foot Length ( <u>minimum</u> )
1 Each	Center Punch- 3/8” X 4.5" Length
1 Each	Pin Punch- 3/32"
1 Each	Pin Punch- 1/8”
1 Each	Bronze (Brass)Punch- 8" Long; 3/8” Point
1 Each *	Screwdriver- 1 ½” Slotted Blade
1 Each *	Screwdriver- 3” Slotted Blade
1 Each *	Screwdriver- 4" Slotted Blade
1 Each *	Screwdriver- 1 ½” #2 Phillips Blade
1 Each *	Screwdriver- 3" #1 Phillips Blade
1 Each *	Screwdriver- 4" #2 Phillips Blade

<b><u>Quantity</u></b>	<b><u>Description</u></b>
1 Each	Inspection Mirror (2" diameter)
1 Each	Flashlight (Non-metal case)
1 Each	Magnetic Pick-Up Tool
1 Each	Tool Storage Unit - of sufficient size to store your tools but should not exceed the size of 21" wide x 14" high x 9" deep
5 Each	#30 Drill Bits
5 Each	#40 Drill Bits
2 Each	#31 Drill Bits
2 Each	#42 Drill Bits
1 Pair	Safety Glasses
1 Pair	Hearing Protectors (ear plugs or ear muffs)
1 Pair	Gas Welding Goggles (Shade 5 lens)^
1 Pair	Tig Welding Gloves (Light Duty only)^
1 Pair	Snap Ring Pliers: internal and external with interchangeable tips
1 Each	Microstop Countersink Tool°
1 Each	Microstop Countersink #30 Cutters°
1 Each	Microstop Countersink #40 Cutters°

**\*a screwdriver handle with changeable tips is acceptable.**

°not necessary until the beginning of spring semester

^not necessary until the beginning of the Fall second year

## OPTIONAL TOOLS

<u>Quantity</u>	<u>Description</u>
1 Each	6” Dial or Digital Caliper that measures .0001 inch
1 Pair	Torque Wrench: Clicker Type- 40 – 200 inch lbs
1 Each	Thickness Gauge
1 Each	Safety Wire Pliers – Reversible or Standard
1 Each	Basic Scientific Calculator (ex. T136X or comparable)
1 Box	Disposable/rubber Nitrile gloves or exam gloves

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## **REQUIRED TEXT MATERIALS**

It is the student’s responsibility to have all textbooks, study guides and related materials during all class periods. Required materials will be identified in the course outline.

Students will not be allowed to duplicate published materials on the AVM paper copier. This is a violation of copyright laws.

## **FIRST YEAR BOOK LIST**

<u>Title</u>	<u>Author</u>	<u>Publisher</u>	<u>Edition</u>
A&P General	Jeppesen	Jeppesen	JS312691
A&P Airframe	Jeppesen	Jeppesen	JS312692
FAR Handbook for Aviation Maintenance Tech	Jeppesen	Jeppesen	JS312616
AC 43.13-1B/2A	Jeppesen	Jeppesen	JS312617
A&P General Study Guide	Jeppesen	Jeppesen	JS312691
A&P Airframe Study Guide	Jeppesen	Jeppesen	JS312604
AC 43-4A FAA Advisory Circular Corrosion Control For Aircraft <b>11/16/07</b>	FAA	U.S. DOT	7/25/91  <b>Revised</b>

**SECOND YEAR  
BOOK LIST**

A&P Technician Powerplant Textbook	Jeppesen	Jeppesen	JS312694
A&P Technician Powerplant Study Guide	Jeppesen	Jeppesen	JS312695