

## AVIATION MAINTENANCE TECHNOLOGY REQUIRED TOOL LIST

Each student is **required** to furnish all of the hand tools as listed below. These tools shall be immediately available to the student while engaged in laboratory assignments. Special tools and equipment not listed here will be loaned to students by North Idaho College as needed.

\*Personal Protective Equipment (PPE) is a priority for student safety. **NOTE: Some vendors offer significant student discounts. Estimated cost for all tools: \$700 to \$1,650.**

### REQUIRED FIRST SEMESTER (100-level courses)

- Combination Wrench Set, 3/8" - 7/8"
- Center Punch
- Pliers, Side Cutting
- Pliers, Duckbill
- Hammer, Machinist, 12 oz.
- Combination Square
- Screwdriver Set, Slot 1", 4", and 8"
- Screwdriver Set, Phillips, #1-4", #2-1", and #2-6"
- Hacksaw with 3 blades 24 Pitch and 3 blades 32 Pitch
- File -8" Mill (Single Cut) with handle
- Putty Knife
- Eye Protection (clear) \*
- Flashlight (L.E.D. suggested)
- Inspection Mirror
- Earmuff-style Hearing Protection \*

### RECOMMENDED – (100-level)

- Tool Box (10"x12"x24") Maximum Size with Handle On Top
- Headlamp style flashlight

### NOTES:

- **Required books will be provided**
- **Course AERM 104, Shop Practices, requires students to show the above tools.**

Without PPE\* above, instructors may prohibit lab participation.

### **ITEMS NEEDED, BUT NOT UNTIL CLASSES UNDERWAY (get instructor advice)**

- Respirator, Disposable-type, Organic Cartridge Pre-Filter (#7500-10) and Cap (#7500-27) \*
- Digital multimeter: [Fluke 117](#) is recommended.

### REQUIRED "AIRFRAME" TOOLS (200-level courses)

- Needle File Set
- 25' Tape Measure
- Pin Punch 3/32"
- Pin Punch 1/8"
- Socket Set, 3/8" drive, 1/4"- 3/4"
- Ratchet, 3/8" drive
- Extensions, 3/8" drive, 3" and 6"
- Speed Handle, 3/8" drive
- Universal, 3/8" drive
- Socket Set, 1/4" drive 3/16" - 1/2"
- Ratchet, 1/4" drive
- Extensions 3" And 6"
- Cold Chisel, 3/4"
- Mallet, Plastic or Rawhide
- Gauge, Feeler .015 to .025
- File- 8" Half Round (Double Cut) Bastard with handle
- File -6" Round Double Cut Bastard with Handle
- File -10" Round Double Cut Bastard with Handle
- Pencil Compass
- Ignition Wrench Set, 5/32" - 7/16"
- Adjustable Wrench (12")
- Allen Wrenches (Individual)
- Aviation Sheet metal Snips (Straight, Right and Left)

### RECOMMENDED – (200-level)

- Tyvek suit (consult AERO 201 instructor)