AIRM Tool Requirements
2018 - 2019

NOTE: Major tool distributors (I.E. Snap-On, Matco, etc.) give deep discounts on their tools while you are in school. There will be a tool show on campus August 23rd at the Diesel Program where you may talk to the distributors directly and order your tools. Your tool box will be inventoried on October 1st, this will give you ample time to acquire your tool set. Tools marked with (**) are optional, they may be checked out from the tool room for use at no charge.

This list supersedes the list in the handbook.

All quantities are 1 each unless otherwise noted.
Minimums only, additional tools may be acquired at student’s discretion.

Welding
Shirt REV FS7-KHK-LL FR Long sleeve shirt
Gloves REV 25 KL classic TIG kidskin
Safety Glasses PYR SB1810S Venture II clear lens black frame
Cap CMX 71/8REV Comeaux reversible
Brush ANC 387-SS Shoe handle scratch stainless steel 4X16 rows
Pliers IRW 2078308 Diagonal cutting
File PFD11012 flat smooth cut
File PFD11010 bastard cut
File PFD11073 round, bastard cut
Brush PFD17147 file card with nylon, USH

General Tools
Carts/Boxes
Tool Cart, 3-drawer, w/castors (for use during program)
Tool Box, bottom with wheels (do not bring to the program -optional)
Measurement
Combination square, 3 piece, with protractor
Tape measure, 12 foot (Prefer 25 foot) (**)
Multimeter, digital
Ruler, 6” pocket, 1/64” graduations
Feeler gauges, 26 piece, (0.0015 – 0.0400)
Calipers, 6 inch, dial or digital
Tire pressure gauge, dial or digital
Drills
Cordless drill
Drill set, number, 0-60, HSS or Cobalt
Drill set, fractional, 1/16” – 3/8", HSS or Cobalt
Pliers
Slip joint, 10 inch
Slip joint, 6 inch
Diagonal cutting, 8 inch
Duckbill, 6-8 inch
Wire crimping, AMP type
Needle nose, 6-8 inch
Inspection
- Magnifying glass, lighted, 10X
- Mirror, 2", retractable, round or square
- Flashlight, small double-A, high intensity

Wrenches, combination, 12 point, 10 piece

Socket set, 1/4" drive, 12 point, standard length
  - Universal joint
  - Ratchet, reversible, approximately 5 inch
  - Extensions, 2" and 6"

Socket set, 3/8" drive, 12 point, standard length
  - Universal joint
  - Ratchet, reversible, approximately 7 inch
  - Extensions 3" and 8"

Screwdrivers
- Standard (flat) tip, minimum 5-piece, to include #1, #2 & #3 tips
- Phillips tip, minimum 5-piece, to include #1, #2 & #3 tips
- Offset, Phillips #1 & #2, Standard (flat) ¼"

Cutting
- Hack saw w/32 TPI metal blades
- Aviation snips, straight, left & right cut

Hammers
- Plastic tip, Approximately 1 pound
- Ball Peen, Approximately 12 ounces

Punches & Chisels
- Chisel, cold, 5/16" cut & 3/4" cut
- Punches, pin, 3/32", 1/8", 5/32", 3/16" & 1/4"
  - Punch, center, 6 inch (automatic center punch accepted)

Miscellaneous
- Valve core remover

Note: Throughout the year we will discuss optional tools you may want to acquire prior to graduation. Second year students and tutors are an excellent source of information on tools to add to your tool box inventory.

Drawing & Drafting (Required August 31)
- Compass Kit (**)
- Eraser, pink pearl
- French curve, 6" (**)
- Lead, 2H, 4H, & HB
- Pad, dry cleaning
- Scale, Architectural (**)
- Sharpener, drafting
- Tape, drafting
- Template, erasing
- Triangles, 4"-30-60-90, 6"-45-45-90, & 10"-30-60-90 (**)

Effective June 1, 2018