

Welding Tool List

If you have any questions please contact Derrick Stein at 607-746-4699 or email at steindj@delhi.edu

- 1 Pair of oxyacetylene welding goggles/ glasses with #5 lens (or on your auto darkening welding hood if equipped with cutting mode)
- 2 Sets of ear plugs
- 1 Arc welding helmet (auto- darkening or passive)
- 1 Leather cape, sleeves with collar and bib or full leather jacket
- 1 Pair of high top leather work boots
- 1 Long-sleeved cotton shirt and pants without cuffs
- 3 Pairs of leather welder's gloves (2 stick/mig, 1 tig)
- 1 Chipping hammer (pick and chisel type)
- 2 Wire brushes, wood handle (steel and stainless steel)
- 1 Single flint torch lighter with 6 extra flints
- 1 Soapstone holder and 6 refills
- GTAW Tungsten (type that work on AC or DC-. Purple, Gray, or Orange)
 - One box of 1/16"
 - One box of 3/32"
- TIG Torch parts for WP17 Torch to include:
 - Long back cap
 - 1 Collet body and Collet 3/32"
 - 1 Collet body and Collet 1/16"
 - 2 Ceramic cups #5 and #6
- 1 Set of standard tip cleaners
- 1, 16 oz. ball peen hammer
- 1, 12' steel tape ruler
- 2 Pair C-clamp vise grips
- 1, 10" crescent wrench
- 1, 12" combination square
- 1 Center punch, 3/8" diameter
- 1 Scribe for metal
- Files – 1 half round, single cut or double cut
- 1 Cold chisel, 3/4" wide
- MIG pliers
- 1 pair of layout magnets (shaped like arrows)

- Metal Dividers(this is a compass that scribes metal)
- Flashlight
- 1, 4 1/2" right angle grinder of good quality
- 8@ 4 1/2" x 1/4" grinding wheels for above grinder
- 8@4 1/2" flap/blending discs for sanding
- 8@4 1/2" cut off wheels for your grinder
- 4 1/2" flat wire wheel for your grinder
- 1, combination screwdriver
- 1 Tool box, approximately 20" x 7" x 8" in size (do not buy a large roll away type toolbox)
- 3 Combination padlocks
- 1 Clipboard
- **1 Drafting kit or equivalent (available online or at the Campus Bookstore) to consist of the following:**
 - 6" bow pencil compass and divider
 - 18 x 24" drawing board with metal edges
 - 24" transparent edge T-square
 - 8" 45°/90°, 10" 30°/60° triangles
 - 6" semicircular protractor
 - Sandpaper pointer pad
 - 2H and 4H pencils, sharpener
 - Soft pencil eraser, art gum eraser, erasing shield
 - 3/4" x 10 yard roll of drafting tape or drafting dots