

## **Welding Tool List**

**(Two Page Document)**

*Note: Textbooks are not required for the welding course. A student workbook will be provided. Please inquire with your instructor regarding any additional supplemental learning resources.*

### Standard Mandatory Tool for ALL Welding (MIG, TIG or Stick):

- Welding Hood and Cap
  - Fixed shade hood
    - Recommended--Shade 10-12 or adjustable auto-darkening hood
  - Size & style at student's discretion
- Clear Safety Glasses
- Long-sleeve Work Shirts 100% Cotton
  - No synthetic materials e.g., polyester, nylon, plastic, rPET
  - Can use leather or welding jacket
- Long Denim Pants or 100% Cotton Work Pants
  - No synthetic materials e.g., polyester, nylon, plastic, rPET
- Leather Welding Gloves
  - Light-weight gloves for TIG and MIG
  - Heavy gloves for stick welding
- Leather Boots
  - Steel-toed boots are optional
  - No tennis shoes, sandals, crocs

### Additional Mandatory Tools - by Welding Method:

#### **MIG Welding** (Gas Metal Arc Welding/GMAW):

- Welper Pliers
  - Also known as MIG Pliers

#### **Stick Welding** (Shield Metal Arc Welding/SMAW):

- Chipping Hammer
- Steel Wire Brush

### Optional Tools to Consider for All Welding:

- Cut-resistant gloves
  - For material handling
- Clear face shield
  - Face shields are required for any grinder use
- 10" Vise grip finger clamps
  - Vise grip 11R
- 4 ½" Grinder and abrasives
- Steel wire brush
- Sharpie/Soap Stone
- Small notepad
- Toolbox or five-gallon bucket
- N95 or P100 respirator
- Tri-square

Optional Tools to Consider for TIG (GTAW) Welding:

- Stainless wire brush for metal preparation
- TIG gloves (light weight leather, dexterous, with gauntlet)
- Welper Pliers Or Wire Cutters

Optional Tools to Consider for Stick Welding (SMAW):

- Wire wheel for a 4 ½" Grinder