



Workforce Development Short-term Certificate Classes Tool List

Workforce Development Welding Classes

For MIG, TIG and Stick Welding (Standard Mandatory Tools):

- **Welding Hood and Cap**
 - Shade 10-12
 - Auto-darkening & Adjustable recommended
 - Size & style at student's discretion
- **Clear Safety Glasses**
- **Long-sleeve Work Shirts 100% Cotton, No Synthetic Materials** (can use leather or welding jacket)
- **Long Denim Pants or other 100% Cotton Work Pants** (ex. Carhartt)
- **Welding Gloves**
 - Light and heavy
- **Leather Boots** (steel-toed boots optional)
 - No Tennis Shoes or Sandals

Additional Mandatory Tools (by Welding Method):

MIG Welding (Gas Metal Arc Welding/GMAW):

- **Welder Pliers** (also known as MIG Pliers)

Stick Welding (Shield Metal Arc Welding/SMAW):

- **Chipping Hammer**
- **Steel Brush**

Additional Optional Tools to Consider:

- 10" Vise Grip Finger Clamps (Vise Grip 11R)
- 4 ½" Grinder
- Clear Face Shield for Grinding
- Wire Cutters
- Wire Brush
- Chipping Hammer
- Sharpie/Soap Stone
- Small Note Pad
- Tool Box

TIG (GTAW), Optional Tools to Consider:

- Stainless Wire Brush (for metal preparation)
- Tillman TIG gloves

Stick Welding (SMAW), consider:

- A Wire Wheel for the 4 ½" Grinder

Current as of: 4/14/2020

** Textbooks are not required. There will be classroom handouts. Please inquire with your instructor for any supplemental learning resources.