



Welding Technology Johnson County Campus Tool List

Special Arc Welding Skills Certificate of Completion and Associate of Applied Science

| <u>Quantity</u> | <u>Tools</u> |
|-----------------|--|
| 1 | Auto Darkening Variable Shade or Conventional Welding Helmet |
| 6 | Clear Lens to fit Welding Helmet* |
| 1 | Chipping Hammer |
| 1 | 9" Channel Lock Pliers or 9" Vice Grip Pliers |
| 1 | 25' Tape Measure |
| 1 | Wire Brush |
| 1 | Soap Stone with Holder |
| 1 | 4-1/2" Electric Grinder |
| 4 | Grinding Wheels for above grinder* |
| 2 | Wire Wheels for above grinder* |
| 2 | Cut-off Wheels for above grinder* |
| 1 | Large Half-round File |
| 1 | Padlock |
| 1 | Basic Calculator |
| 1 | Welding Calculator Set |
| 1 | Pair of Heavy Welding Gloves |
| 1 | Pair of MIG Pliers or Needle Nose Pliers |
| 1 | Fillet Weld Gauge Set |
| 1 | Pipe Wedge |
| 1 | Torch Tip Cleaner |
| 1 | 300 Degree Temp Stick |
| 1 | Torch Striker |
| 1 | Pair of TIG Welding Gloves |
| 2 | 1/16" 2% Ceriated or Thoriated Tungsten Electrodes* |
| 2 | 3/32" 2% Ceriated or Thoriated Tungsten Electrodes* |
| 2 | 1/16" Pure Tungsten Electrodes* |
| 2 | 3/32" Pure Tungsten Electrodes* |
| 1 | 1/16" Collet and Collet Body for Weldcraft WP-20 TIG Torch |
| 1 | 3/32" Collet and Collet Body for Weldcraft WP-20 TIG Torch |
| 1 | Long Back Cap for Weldcraft WP-20 TIG Torch |
| 1 | #6 Nozzle for Weldcraft WP-20 TIG Torch |
| 1 | #8 Nozzle for Weldcraft WP-20 TIG Torch |
| 1 | Clear Face Shield |
| 1 | Pair of Safety Glasses |
| 1 | Welding Cap |
| | Ear Plugs |
| | 100% Cotton Long Sleeved Shirt |
| | Denim Pants |
| | Leather Work Boots |
| | Leather Welders Cape Sleeves or Leather Welders Jacket |
| | Tool Bag (optional) |

* These are individual, not packs

** Can be purchased at the Hill College Bookstore

Other tools may be needed throughout the program