



Welding-South Sioux City

Tools Required First Day of Classes

Estimated Cost: \$900-\$1,500

The following is equipment and supplies required for training. Please note that there are choices on supplies-lift front helmets, auto darkening helmets, gloves, etc. You may have some of the items listed already. The instructor will advise you if they meet program requirements. Safety equipment is mandatory for all classes because of the nature of the trade. Items need to be ordered in advance (mid-June) so that you have them on first day of class. Most items can be purchased from a welding supply store. Hand tools may be more affordable at other stores. A more professional and safe atmosphere is present when everyone wears the proper attire. Please advise if you have questions, Chance Rohlk 402-241-6422, South Sioux City.

Quantity	Description
Program Required Tools	
1	Arc Welding Helmet with extra Safety Cover Plates (10) with Shade 10 Filter Lens or Gold Filter Lens. Auto darkening helmet is good also. Because of the different styles of auto darkening hoods it is highly recommended to get extra cover plates that fit your hood.(10) *Extra batteries may be needed later
2	Welding Cap 100% cotton
1	FR welding jacket with leather sleeves for out of position welding.
2 pr	Safety Glasses (clear) or prescription safety glasses
12 pr	Ear Plugs/pre-shaped foam type
1	Stainless Steel Wire Brush
1	Carbon Steel Wire Brush
1	Chipping Slag Hammer
1	Locking C-Clamp plier type. Vice-Grip or Economy brand.
1	Half Round File, Bastard Cut 10" to 14"
1	10" or 12" Adjustable Wrench (crescent or like brand)
1	Ball Peen hammer 24 oz. or 16 oz.
1	Pocket flashlight (MAG AAA type) extra batteries
1	Straight screw driver 3" or 4" long
1	Phillip screw driver 3" or 4" long
1	Padlock/combo or key with extra key
1	Welding and Cutting Goggles shade 4 or 5 or shaded face shield
1	Flint Striker-extra flint
1	Tip Cleaners
2pr.	SMAW Stick glove. Thicker cut.
2pr.	GMAW Mig glove. Medium thickness.

- 2pr GTAW Tig glove. Thin cut.
- 1pr. Drivers/work glove. Medium thickness for moving and cutting metal
 - 1 Linesman Cutting Pliers-for cutting 1/8" TIG wire KLEIN Or like brand
 - 1 Needle Nose Pliers or Mig Welding Pliers
 - 1 Soap Stone & Holder-flat or round with extra soap
 - 2 Silver-streak welders pencil
 - 4 1/2" Grinder 10 Amp with extra (6) 1/8" and (8) 1/4" grinding wheels, (4) Stringer Bead Twist Wheel Brush and (8) 60 Grit Flap Disc (No Battery powered grinders).
- 10 3/32" x 7" 2% Thoriated or 1.5 Lanthanated Tungsten or 1/8" tungsten 1 pack

Standard Alumina Nozzles

- 3 54N14 #8 cup for Standard gas lens
- 3 54N16 #6 cup for standard gas lens
- 3 54N15 #7 cup for standard gas lens

GTAW Parts

- 2 45V26 standard gas lens for 3/32 or 1/8"
- 2 Back caps Long 57Y02
- 5 10N25 Collets for 3/32 or 1/8" tungsten
- 1 25' Measuring Tape
- 1 9" Torpedo Level
- 1 12" Combination Square
- 1 Center Punch for metal – 1/4" or 3/8 "
- 2 Sharpie black extra fine point markers
- 1 5-gallon bucket

Students must also supply:

Not included in estimated cost of supplies listed above.

- *Leather Steel Toed Work Boots
- 2 pr flaps on pockets and recommend snaps over buttons. No
- *100% cotton tee shirt to be worn under work shirt.
- *Normal fitting blue or black jeans. Straight leg. No holes or frays.
- *Old 100% cotton t-shirt cut up for cleaning lenses.

Please mark your name on all tools and supplies!