

Structural Welding Program
Tool/Equipment List



Rick Taggett, Instructor

Approximate Cost - \$671.00 - \$1,076.00

The following items must be provided by the student. It is essential that the student has safety shoes and safety glasses on the first day of school because some work will be performed in the shop. Students will be required to have the following items:

<u>Quantity Required</u>	<u>Item</u>	<u>Price</u>
1	Welding Helmet- (if using auto darkening skip the shade lens)	\$45.00 - \$450.00
2	#10 Shade lens plates	\$4.00
2	#11 Shade lens plates	\$4.00
2	#12 Shade lens plates	\$4.00
10	Clear plastic cover lenses	\$1.00
1	Leather, Jacket or Cape sleeve bib with button-up collar (only leather may be used in the lab)	\$45.00
2	Clear Safety Glasses with side shields Z87+	\$6.00
2	Welding Gloves	\$9.00
1	Pair of high topped safety shoes	
3	Welding hat (Kromer, Landry, Lapco, Comeaux)	\$15.00
2	Padlock	\$5.00
1	Full-face Shield Clear Lens	\$3.00
2	Clear replacement face lens	\$3.00
2	Plastic ear protection with case	\$2.00
1	5" Angle Grinder Portable (corded 110V) with safety guard	\$160.00
10	5" x 1/4 x 7/8 Metal grinding wheel	\$5.00
10	5" X 1/8 x 7/8 Metal cutting wheel	\$5.00
1	Chipping Hammer	\$5.00
2	Steel wire brush	\$12.00
1	Full-Face Oxy Acetylene Cutting Shield Lens shade #5	\$6.00
2	Replacement lens shade #5	\$6.00
2	10R Vise Grip Pliers	\$18.00
1	Set of Fillet Weld Gauges	\$30.00
1	Metal Tool box 24"L X 12" T X 10"W Maximum Size	\$20.00
1	Oxy Fuel Spark Lighter	\$2.00
1	Package of Lighter Flints	\$2.00
1	Set of Tip Cleaner, for Oxy/Fuel Cutting	\$3.00

1	25 Foot Steel Tape	\$19.00
1	Combination Square	\$12.00
1	32 oz Ball Peen Hammer	\$16.00
1	3/8" Center Punch	\$5.00
1	3/4" Cold Chisel	\$10.00
1	12" Adjustable Wrench	\$15.00
1	10" Adjustable Wrench	\$12.00
1	8" Needle Nose Pliers with side cutters	\$15.00
1	9 1/2" Linemans's Pliers heavy duty	\$24.00
1	#2 Straight Blade Screw Driver	\$5.00
1	#3 Straight Blade Screw Driver	\$5.00
1	#2 Phillips Screw Driver	\$5.00
1	#3 Phillips Screw Driver	\$5.00
1	Hacksaw-Stanley 15-170 or equivalent	\$30.00
3	Hacksaw blades (Medium 24 tooth)	\$3.00
1	File Handle	\$3.00
1	14" Half Round Bastard File (Nicholson Recommended)	\$21.00
1	9" Torpedo Level (metal) with Magnet	\$9.00
2	Leather Faced Work Gloves	\$8.00
10	Soapstone Markers	\$5.00
1	Soapstone Holder	\$3.00
1	4" Wraparound	\$18.00
1	Battery operated work light/flashlight	\$25.00

LABS:

Student clothing to be worn in the labs must be flame retardant with no frayed edges. Shirts must be long-sleeved and pants must have no cuffs. Absolutely no polyester or nylon clothing shall be worn. High top safety shoes must be worn for foot protection and a welder's cap must be worn to protect the scalp. Students will not be allowed to work in the laboratory without fulfilling these safety requirements.

Students are required to have all tools and personal equipment in his/her possession in order to participate in laboratory activities.

**** All students must be prepared to go to work in the lab the first day of class and everyone must wear safety boots!****