

## EQUIPMENT LIST

The following equipment is required for training. Students may either purchase any or all of the equipment upon entering training or bring their own equipment. Safety equipment is mandatory for all classes. Listed below are items required for individual courses and covers items that meet the needs of most students. Depending on usage, replacements may be required. Please note that there may be choices — green or gold lens, lift or fixed front helmet, etc. For any questions, please contact the Institute at 937-332-9500, ext. 9608.

**Prices are subject to change without notice.**

<b>OAW101</b> <b>OXYACETYLENE WELDING, CUTTING &amp; BRAZING</b> <b>Total: \$101.00</b>		Welding Cap \$11.00 Safety Glasses \$4.00 Ear Plugs \$2.50 Carbon Steel Wire Brush \$4.00 Vise Grip Locking Pliers \$15.00 14" Half Round File \$15.00 Chipping Hammer \$17.00 Black Welding Coat \$32.00 Helmet \$51.00 Filter Lens 4 1/2" X 5 1/4" \$8.00 Cover Lens 4 1/2" X 5 1/4" \$3.00 Knee Pads \$33.00 1/8" Grinding Wheel \$4.00 3/32" Grinding Wheel \$2.00 Gloves (Black/Yellow) \$20.00	T-Flap Grinding Wheel \$8.00 Extension Cord \$17.00
<b>SMA101 &amp; SMA201</b> <b>SHIELDED METAL ARC WELDING BASIC &amp; SHIELDED METAL ARC WELDING ADVANCED</b> <b>Total: \$185.50</b>		<b>SMA404 &amp; SMA504</b> <b>SHIELDED METAL ARC WELDING 6" PIPE DOWNHILL, SHIELDED METAL ARC WELDING PIPE DOWNHILL BRANCH &amp; SLEEVE</b> <b>Total: \$437.50</b>	<b>GTA102, GTA204, GTA205 &amp; GTA301</b> <b>GAS TUNGSTEN ARC WELDING CARBON STEEL, GAS TUNGSTEN ARC WELDING STAINLESS STEEL, GAS TUNGSTEN ARC WELDING ALUMINUM &amp; GAS TUNGSTEN ARC WELDING AEROSPACE</b> <b>Total: \$275.00</b>
Face Shield \$3.00 Head Gear \$9.00 Welding Cap \$11.00 Safety Glasses \$4.00 Carbon Steel Wire Brush \$4.00 Vise Grip Locking Pliers \$15.00 Chipping Hammer \$17.00 Ear Plugs \$2.50 Black Welding Jacket \$32.00 Helmet \$51.00 Filter Lens 4 1/2" X 5 1/4" \$8.00 Cover Lens 4 1/2" X 5 1/4" \$3.00 1/8" Grinding Wheel \$4.00 3/32" Grinding Wheel \$2.00 Gloves (Black/Yellow) \$20.00		Face Shield \$3.00 Head Gear \$9.00 Welding Cap \$11.00 Safety Glasses \$4.00 Ear Plugs \$2.50 Carbon Steel Wire Brush \$4.00 Vise Grip Locking Pliers \$15.00 14" Half Round File \$15.00 Chipping Hammer \$17.00 Black Welding Coat \$32.00 Helmet \$51.00 Filter Lens 4 1/2" X 5 1/4" \$8.00 Cover Lens 4 1/2" X 5 1/4" \$3.00 Knee Pads \$33.00 1/8" Grinding Wheel \$4.00 3/32" Grinding Wheel \$2.00 Gloves (Black/Yellow) \$19.00 Flint Striker \$3.00 Soap Stone & Holder \$2.00 Tape Measure \$31.00 Wrap-A-Round \$19.00 Center Punch \$4.00 Ball Peen Hammer \$23.00 Grinder \$97.00	Safety Glasses \$4.00 Ear Plugs \$2.50 FR Sleeves \$15.00 Slip Joint Pliers \$6.50 Diagonal Cutting Pliers \$15.00 Black Welding Jacket \$32.00 Helmet \$51.00 Filter Lens 4 1/2" X 5 1/4" \$8.00 Cover Lens 4 1/2" X 5 1/4" \$3.00 Gloves (Orange/White) \$17.00 Cotton Liners \$1.00 Small Stainless Steel Wire Brush (2) \$6.00 Tig Finger \$14.00 Zirconiated .3% Tungsten(3pk) \$12.00 Thoriated 2% Tungsten (10pk) \$40.00 WC Back Cap \$5.00 WC Collets 3/32" (2) \$4.00 WC Gas Lens 3/32" (2) \$8.00 WC Collet Body 3/32" \$4.00 WC No. 8 Nozzle (2) \$6.00 WC Lg. Gas Lens Collet \$4.00 WC Lg. Insulator Gas Len \$18.00 WC Small Cap Gasket \$4.00 WC No. 12 Gas Lens Nozzle (2) \$10.00
<b>SMA302, SMA402</b> <b>SHIELDED METAL ARC WELDING 6" PIPE 2G/5G/6G UPHILL, &amp; SHIELDED METAL ARC WELDING 2" PIPE 6G UPHILL,</b> <b>Total: \$233.50</b>		<b>GTA202 &amp; GTA302</b> <b>GAS TUNGSTEN ARC WELDING 2" PIPE &amp; GAS TUNGSTEN ARC WELDING STAINLESS STEEL 2" PIPE</b> <b>Total: \$311.00</b>	
Face Shield \$3.00 Head Gear \$9.00		Face Shield \$3.00 Head Gear \$9.00	

Safety Glasses	\$4.00	Welding Cap	\$11.00	FR Khaki Welding Jacket	\$35.00
Ear Plugs	\$2.50	Safety Glasses	\$4.00	Helmet	\$51.00
FR Sleeves	\$15.00	Ear Plugs	\$2.50	Filter Lens 4 1/2" X 5 1/4"	\$8.00
Slip Joint Pliers	\$6.50	Carbon Steel Wire Brush	\$4.00	Cover Lens 4 1/2" X 5 1/4"	\$3.00
Diagonal Cutting Pliers	\$15.00	Vise Grip Locking Pliers	\$15.00	Cutting Glasses Shade 5	\$13.00
Small Stainless Steel Wire Brush	\$3.00	Welpers (Mig Pliers)	\$19.00	Gloves (Black/Yellow)	\$20.00
Black Welding Coat	\$32.00	Black Welding Coat	\$32.00	Gloves (Orange/White)	\$17.00
Helmet	\$51.00	Helmet	\$51.00	Chipping Hammer	\$17.00
Filter Lens 4 1/2" X 5 1/4"	\$8.00	Filter Lens 4 1/2" X 5 1/4"	\$8.00	Tip Cleaners	\$3.00
Cover Lens 4 1/2" x 5 1/4"	\$3.00	Cover Lens 4 1/2" X 5 1/4"	\$3.00	Flint Striker	\$3.00
Gloves (Orange/White)	\$17.00	Gloves (Orange/White)	\$17.00	1/8" Grinding Wheel	\$4.00
Cotton Liners	\$1.00	Small Stainless Steel Wire Brush	\$3.00	3/32" Grinding Wheel	\$2.00
14" Half Round File	\$15.00	Heat Shield	\$10.00	T-Flap Grinding Wheel	\$8.00
Flint Striker	\$3.00	Flint Striker	\$3.00	Tape Measure	\$31.00
Tig Finger	\$14.00			Wrap-A-Round	\$19.00
1/8" Grinding Wheel	\$4.00	<b>FCA101 &amp; FCA201</b>		Torpedo Lever	\$13.00
3/32" Grinding Wheel	\$2.00	<b>FLUX CORED ARC</b>		Combination Square	\$13.00
Thoriated 2% Tungsten (10pk)	\$40.00	<b>WELDING, FLUX CORED</b>		Steel Square	\$9.00
AC No. 12 Gas Lens Nozzle (2)	\$10.00	<b>ARC WELDING ADVANCED</b>		Grinder	\$97.00
AC Collets 3/32" (2)	\$6.00	<b>Total: \$214.50</b>		Extension Cord	\$17.00
AC collet Body 3/32" (2)	\$4.00	Face Shield	\$3.00	AC Collets 3/32" (2)	\$6.00
AC No. 8 Nozzle (2)	\$6.00	Head Gear	\$9.00	AC collet Body 3/32" (2)	\$4.00
AC Heat Shield Insulator	\$4.00	Welding Cap	\$11.00	AC No. 8 Nozzle (2)	\$6.00
AC Back Caps	\$4.00	Safety Glasses	\$4.00	AC Heat Shield Insulator	\$4.00
AC Gas Lens 3/32"	\$20.00	Ear Plugs	\$2.50	AC Back Caps	\$4.00
AC Gas Lens Insulator	\$9.00	Carbon Steel Wire Brush	\$4.00		
		Vise Grip Locking Pliers	\$15.00	<b>FAB101</b>	
<b>GMA101</b>		Welpers (Mig Pliers)	\$19.00	<b>INTRODUCTION TO</b>	
<b>GAS METAL ARC WELDING</b>		Black Welding Coat	\$32.00	<b>METAL FABRICATION</b>	
<b>BASIC</b>		Helmet	\$51.00	<b>Total: \$420.50</b>	
<b>Total: \$187.50</b>		Filter Lens 4 1/2" X 5 1/4"	\$8.00	Face Shield	\$3.00
Face Shield	\$3.00	Cover Lens 4 1/2" X 5 1/4"	\$3.00	Head Gear	\$9.00
Head Gear	\$9.00	Gloves (Orange/White)	\$17.00	Welding Cap	\$11.00
Welding Cap	\$11.00	Heat Shield	\$10.00	Safety Glasses	\$4.00
Safety Glasses	\$4.00	Chipping Hammer	\$17.00	Ear Plugs	\$2.50
Ear Plugs	\$2.50	1/8" Grinding Wheel	\$4.00	Carbon Steel Wire Brush	\$4.00
Carbon Steel Wire Brush	\$4.00	3/32" Grinding Wheel	\$2.00	Vise Grips Locking Pliers	\$15.00
Vise Grip Locking Pliers	\$15.00	Flint Striker	\$3.00	Welpers (Mip Pliers)	\$19.00
Welpers (Mig Pliers)	\$19.00			14" Half Round File	\$15.00
Black Welding Coat	\$32.00	<b>PLF101 &amp; PLF201</b>		FR Long Sleeve T-Shirt	\$36.00
Helmet	\$51.00	<b>PIPE LAYOUT FOR</b>		Helmet	\$51.00
Filter Lens 4 1/2" X 5 1/4"	\$8.00	<b>PIPEFITTERS &amp;</b>		Filter Lens 4 1/2" X 5 1/4"	\$8.00
Cover Lens 4 1/2" X 5 1/4"	\$3.00	<b>WELDERS I, PIPE LAYOUT</b>		Cover Lens 4 1/2" X 5 1/4"	\$3.00
Gloves (Orange/White)	\$17.00	<b>FOR PIPETITTERS &amp;</b>		Cutting Glasses Shade 5	\$13.00
Flint Striker	\$3.00	<b>WELDERS II</b>		Gloves (Orange/White)	\$17.00
1/8" Grinding Wheel	\$4.00	<b>Total: \$414.00</b>		1/8" Grinding Wheel	\$4.00
3/32" Grinding Wheel	\$2.00	Face Shield	\$3.00	3/32" Grinding Wheel	\$2.00
		Head Gear	\$9.00	T-Flap Grinding Wheel	\$8.00
<b>GMA201 &amp; GMA301</b>		Welding Cap	\$11.00	Wire Wheel	\$10.00
<b>GAS METAL ARC</b>		Safety Glasses	\$4.00	Tape Measure	\$31.00
<b>WELDING ADVANCED, GAS</b>		Ear Plugs	\$2.50	Combination Square	\$13.00
<b>METAL ARC WELDING</b>		Carbon Steel Wire Brush	\$4.00	Center Punch	\$4.00
<b>INDUSTRIAL</b>		Slip Joint Pliers	\$6.50	Ball Peen Hammer	\$23.00
<b>Total: \$194.50</b>		14" Half Round File	\$15.00	Grinder	\$97.00
Face Shield	\$3.00	Soap Stone & Holder	\$2.00	Extension Cord	\$17.00
Head Gear	\$9.00				