

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.

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| <p>OAW101 OXYACETYLENE WELDING, CUTTING & BRAZING Total: \$95.00</p> <p>FR Khaki Welding Jacket \$35.00 Welding Cap \$8.00 Safety Glasses \$4.00 Carbon Steel Wire Brush \$4.00 Slip Joint Pliers \$6.50 Soapstone and Holder \$1.50 Tip Cleaners \$2.50 Ear Plugs \$2.50 Flint Striker \$3.00 Cutting Glasses Shade 5 \$12.00 Gloves (Orange/White) \$16.00</p> | <p>SMA301, SMA401, SMA402, SMA403 & SMA502 SHIELDED METAL ARC WELDING 6" PIPE 2G AND 5G UPHILL, , SHIELDED METAL ARC WELDING 6" PIPE 6G UPHILL & SHIELDED METAL ARC WELDING 2" PIPE 6G UPHILL, SHIELDED METAL ARC WELDING 6" PIPE DOWNHILL, SHIELDED METAL ARC WELDING PIPE DOWNHILL BRANCH 12-ON-12 Total: \$234.50</p> <p>Face Shield \$3.00 Head Gear \$9.00 Welding Cap \$8.00 Safety Glasses \$4.00 Ear Plugs \$2.50 Carbon Steel Wire Brush \$4.00 Vise Grip Locking Pliers \$15.00 Half Round File w/Wooden Handle \$28.00 Chipping Hammer \$17.00 Black Welding Coat \$30.00 Helmet \$45.00 Filter Lens 4 1/2" X 5 1/4" \$7.00 Cover Lens 4 1/2" X 5 1/4" \$2.00 Knee Pads \$33.00 1/8" Grinding Wheel \$4.00 3/32" Grinding Wheel \$4.00 Gloves (Black/Yellow) \$19.00</p> | <p>GTA102, GTA204. GTA205 & GTA301 GAS TUNGSTEN ARC WELDING CARBON STEEL, GAS TUNGSTEN ARC WELDING STAINLESS STEEL, GAS TUNGSTEN ARC WELDING ALUMINUM & GAS TUNGSTEN ARC WELDING AEROSPACE Total: \$164.00</p> <p>Safety Glasses \$4.00 Ear Plugs \$2.50 FR Sleeves \$12.00 Slip Joint Pliers \$6.50 Diagonal Cutting Pliers \$15.00 Black Welding Jacket \$30.00 Helmet \$45.00 Filter Lens 4 1/2" X 5 1/4" \$7.00 Cover Lens 4 1/2" X 5 1/4" \$2.00 Gloves (Orange/White) \$16.00 Cotton Liners \$1.00 Small Stainless Steel Wire Brush (2) \$6.00 Flint Striker \$3.00 Tig Finger \$14.00</p> |
| <p>SMA101 & SMA201 SHIELDED METAL ARC WELDING BASIC & SHIELDED METAL ARC WELDING ADVANCED Total: \$173.50</p> <p>Face Shield \$3.00 Head Gear \$9.00 Welding Cap \$8.00 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 Jackert \$30.00 Helmet \$45.00 Filter Lens 4 1/2" X 5 1/4" \$7.00 Cover Lens 4 1/2" X 5 1/4" \$2.00 1/8" Grinding Wheel \$4.00 3/32" Grinding Wheel \$4.00 Gloves (Black/Yellow) \$19.00</p> | <p>Face Shield \$3.00 Head Gear \$9.00 Welding Cap \$8.00 Safety Glasses \$4.00 Ear Plugs \$2.50 Carbon Steel Wire Brush \$4.00 Vise Grip Locking Pliers \$15.00 Half Round File w/Wooden Handle \$28.00 Chipping Hammer \$17.00 Black Welding Coat \$30.00 Helmet \$45.00 Filter Lens 4 1/2" X 5 1/4" \$7.00 Cover Lens 4 1/2" X 5 1/4" \$2.00 Knee Pads \$33.00 1/8" Grinding Wheel \$4.00 3/32" Grinding Wheel \$4.00 Gloves (Black/Yellow) \$19.00</p> | <p>GTA202 & GTA302 GAS TUNGSTEN ARC WELDING 2" PIPE & GAS TUNGSTEN ARC WELDING STAINLESS STEEL 2" PIPE Total: \$209.00</p> <p>Face Shield \$3.00 Head Gear \$9.00 Safety Glasses \$4.00 Ear Plugs \$2.50 FR Sleeves \$12.00 Slip Joint Pliers \$6.50 Diagonal Cutting Pliers \$15.00 Small Stainless Steel Wire Brush \$3.00 Black Welding Coat \$30.00 Helmet \$45.00 Filter Lens 4 1/2" X 5 1/4" \$7.00 Cover Lens 4 1/2" x 5 1/4" \$2.00 Gloves (Orange/White) \$16.00 Cotton Liners \$1.00 Half Round File w/Wooden Handle \$28.00 Flint Striker \$3.00</p> |

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| Tig Finger | \$14.00 |
| 1/8" Grinding Wheel | \$4.00 |
| 3/32" Grinding Wheel | \$4.00 |

GTA203
GAS TUNGSTEN ARC WELDING/SHIELDED METAL ARC WELDING PIPE 6G UPHILL
Total: \$271.50

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|----------------------------------|---------|
| Face Shield | \$3.00 |
| Head Gear | \$9.00 |
| Welding Cap | \$8.00 |
| Safety Glasses | \$4.00 |
| Ear Plugs | \$2.50 |
| Carbon Steel Wire Brush | \$4.00 |
| Vise Grip Locking Pliers | \$15.00 |
| Half Round File w/Wooden Handle | \$28.00 |
| Diagonal Cutting Pliers | \$15.00 |
| Black Welding Coat | \$30.00 |
| Helmet | \$45.00 |
| Filter Lens 4 1/2" X 5 1/4" | \$7.00 |
| Cover Lens 4 1/2" X 5 1/4" | \$2.00 |
| Gloves (Black/Yellow) | \$19.00 |
| Gloves (Orange/White) | \$16.00 |
| Knee Pads | \$33.00 |
| Chipping Hammer | \$17.00 |
| Flint Striker | \$3.00 |
| Small Stainless Steel Wire Brush | \$3.00 |
| 1/8" Grinding Wheel | \$4.00 |
| 3/32" Grinding Wheel | \$4.00 |

GMA101
GAS METAL ARC WELDING BASIC
Total: \$175.50

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|-----------------------------|---------|
| Face Shield | \$3.00 |
| Head Gear | \$9.00 |
| Welding Cap | \$8.00 |
| Safety Glasses | \$4.00 |
| Ear Plugs | \$2.50 |
| Carbon Steel Wire Brush | \$4.00 |
| Vise Grip Locking Pliers | \$15.00 |
| Welpers (Mig Pliers) | \$19.00 |
| Black Welding Coat | \$30.00 |
| Helmet | \$45.00 |
| Filter Lens 4 1/2" X 5 1/4" | \$7.00 |
| Cover Lens 4 1/2" X 5 1/4" | \$2.00 |
| Gloves (Orange/White) | \$16.00 |
| Flint Striker | \$3.00 |
| 1/8" Grinding Wheel | \$4.00 |
| 3/32" Grinding Wheel | \$4.00 |

GMA201 & GMA301
GAS METAL ARC WELDING ADVANCED, GAS METAL ARC WELDING INDUSTRIAL
Total: \$177.50

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| Face Shield | \$3.00 |
| Head Gear | \$9.00 |
| Welding Cap | \$8.00 |
| Safety Glasses | \$4.00 |
| Ear Plugs | \$2.50 |
| Carbon Steel Wire Brush | \$4.00 |
| Vise Grip Locking Pliers | \$15.00 |
| Welpers (Mig Pliers) | \$19.00 |
| Black Welding Coat | \$30.00 |
| Helmet | \$45.00 |
| Filter Lens 4 1/2" X 5 1/4" | \$7.00 |
| Cover Lens 4 1/2" X 5 1/4" | \$2.00 |
| Gloves (Orange/White) | \$16.00 |
| Small Stainless Steel Wire Brush | \$3.00 |
| Heat Shield | \$10.00 |

GMA202
GAS METAL ARC WELDING 6" PIPE
Total: \$197.50

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| Face Shield | \$3.00 |
| Head Gear | \$9.00 |
| Welding Cap | \$8.00 |
| Safety Glasses | \$4.00 |
| Ear Plugs | \$2.50 |
| Carbon Steel Wire Brush | \$4.00 |
| Vise Grip Locking Pliers | \$15.00 |
| Welpers (Mig Pliers) | \$19.00 |
| Black Welding Coat | \$30.00 |
| Helmet | \$45.00 |
| Filter Lens 4 1/2" X 5 1/4" | \$7.00 |
| Cover Lens 4 1/2" X 5 1/4" | \$2.00 |
| Gloves (Orange/White) | \$16.00 |
| Knee Pads | \$33.00 |

FCA101 & FCA201
FLUX CORED ARC WELDING, FLUX CORED ARC WELDING ADVANCED
Total: \$199.50

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| Face Shield | \$3.00 |
| Head Gear | \$9.00 |
| Welding Cap | \$8.00 |
| Safety Glasses | \$4.00 |
| Ear Plugs | \$2.50 |
| Carbon Steel Wire Brush | \$4.00 |
| Vise Grip Locking Pliers | \$15.00 |
| Welpers (Mig Pliers) | \$19.00 |
| Black Welding Coat | \$30.00 |
| Helmet | \$45.00 |
| Filter Lens 4 1/2" X 5 1/4" | \$7.00 |
| Cover Lens 4 1/2" X 5 1/4" | \$2.00 |
| Gloves (Orange/White) | \$16.00 |
| Heat Shield | \$10.00 |
| Chipping Hammer | \$17.00 |
| 1/8" Grinding Wheel | \$4.00 |
| 3/32" Grinding Wheel | \$4.00 |

PLF101 & PLF201
PIPE LAYOUT FOR PIPEFITTERS & WELDERS I, PIPE LAYOUT FOR PIPEFITTERS & WELDERS II
Total: \$240.50

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|---------------------------------|---------|
| Face Shield | \$3.00 |
| Head Gear | \$9.00 |
| Welding Cap | \$8.00 |
| Safety Glasses | \$4.00 |
| Ear Plugs | \$2.50 |
| Carbon Steel Wire Brush | \$4.00 |
| Slip Joint Pliers | \$6.50 |
| Half Round File w/Wooden Handle | \$28.00 |
| Soap Stone & Holder | \$1.50 |
| FR Khaki Welding Jacket | \$35.00 |
| Helmet | \$45.00 |
| Filter Lens 4 1/2" X 5 1/4" | \$7.00 |
| Cover Lens 4 1/2" X 5 1/4" | \$2.00 |
| Cutting Glasses Shade 5 | \$12.00 |
| Gloves (Black/Yellow) | \$19.00 |
| Gloves (Orange/White) | \$16.00 |
| Chipping Hammer | \$17.00 |
| Tip Cleaners | \$2.50 |
| Flint Striker | \$3.00 |
| 1/8" Grinding Wheel | \$4.00 |
| 3/32" Grinding Wheel | \$4.00 |
| T-Flap Grinding Wheel | \$7.50 |