

Des Moines Area Community College – Welding Program

REQUIRED ITEMS:

All Welding Classes

- ✓ Hard sole shoes/boots must be above the ankle, must have leather uppers, preferable leather or neoprene soles. Steel toes are recommended. **NO TENNIS SHOES!**
- ✓ Cotton, wool, or denim long sleeve shirts and pants required or leather sleeves. **NO SHORTS!**
- ✓ Fire retardant jacket
- ✓ Prescription safety glasses may be worn that meet ANSI Z87.1 (Latest Edition)

Thermal Cutting (WEL 262, WEL 263)

- ✓ Gas welding and cutting shield - #4 or #5 shade filter
- ✓ Safety glasses (side shields preferred)
- ✓ Unlined leather gloves, or sturdy work gloves
- ✓ Arc Welding gloves, gauntlet type, insulated, for cutting
- ✓ “Smith” medium duty #3 welding tip – MW 203
- ✓ Tip cleaner and striker
- ✓ Tape measure
- ✓ Pliers

Gas Metal Arc Welding / Flux Cored (WEL 244, WEL 245, WEL 280, WEL 281)

- ✓ 4 ½” Grinder (Electric)
- ✓ Arc Welding Hood #10 or #12 shade filter
- ✓ Safety glasses (side shields preferred)
- ✓ Leather gloves, gauntlet type, insulated
- ✓ Tape measure
- ✓ Pliers
- ✓ Chipping hammer and wire brush (large and small size)
- ✓ Side cutters (Whelpers, Dykes, Wire Cutters)

Shielded Metal Arc Welding (WEL 274, WEL 275)

- ✓ 4 ½” Grinder (Electric)
- ✓ Arc Welding Hood #10 or #12 shade filter
- ✓ Safety glasses (side shields preferred)
- ✓ Leather gloves, gauntlet type, insulated
- ✓ Tape measure
- ✓ Pliers
- ✓ Chipping hammer and wire brush (large and small size)
- ✓ Side cutters (Whelpers, Dykes, Wire Cutters)

Gas Tungsten Arc Welding (WEL 251, WEL 252, WEL 253)

- ✓ 4 ½” Grinder (Electric)
- ✓ Arc Welding Hood #10 or #12 shade filter
- ✓ Safety glasses (side shields preferred)
- ✓ Leather gloves, gauntlet type, insulated
- ✓ Tape measure
- ✓ Pliers
- ✓ Chipping hammer and wire brush (large and small size)
- ✓ Side cutters (Whelpers, Dykes, Wire Cutters)
- ✓ Tungsten, 1/16” x 7” (Air gas part # RAD64002247) and 3/32” x 7” (Air gas part # 64002248) Type E3



Welding Suppliers in the Des Moines

area:

Most Welding suppliers offer a 10 – 20% discount to DMACC students

Airgas- North Central*

2525 Dixon St.
Des Moines, IA 50316
515-265-0364
www.airgas.com

Praxair

1700 2nd Ave
Des Moines, IA 50314
515-244-3131
www.praxair.com

Matheson-North Central Zone*

1630 N.E. 54th St
Des Moines, IA 50313
www.mathesongas.com

**Approved DMACC vendor for Financial Aid use*