

## Required PPE list for WAF Students

The WAF tool crib does not provide personal protective equipment. All students are required to supply their own PPE. PPE can be purchased through the Washtenaw Community College Bookstore (Financial aid eligible), or anywhere that sells required PPE.

**ALL COURSES:** Even if you are **not participating** in a welding/grinding or cutting process, **you are still required** to wear the following when entering the welding lab:

- ANSI Z87+ safety glasses (Pull-over safety glasses for those who wear prescription lenses)
  - Estimated Price - \$50.00 - \$300.00
- All cotton or denim clothing
  - Estimated Price - \$30.00 - \$100.00
- All leather above-the-ankle work boots (steel toe recommended but not required)
  - Estimated Price - \$50.00 - \$300.00

Prior to any welding, grinding, cutting, soldering, or brazing, you must put on the following PPE in addition to the above-mentioned items:

- **WAF103 (Introduction to Gas Tungsten Arc Welding) 2 Credits**
  - Fire retardant welding jacket (hybrid jacket recommended)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (GTAW gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
- **WAF104 (Soldering and Brazing) 2 Credits**
  - Fire retardant welding jacket (hybrid jacket recommended)
    - Estimated Price - \$25.00 - \$150.00
  - Shade 5 cutting glasses or face shield with shade 5 visor
    - Estimated Price - \$10.00 - \$75.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
- **WAF106 (Welding Print Reading) 3 Credits**
  - No additional welding PPE required
- **WAF109 (Welding Safety and OSHA Regulations) 2 Credits**
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00

- **WAF110 (Iron Worker Pre-Apprenticeship Orientation and Safety) 2 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  
- **WAF114 (Ironworker Pre-Apprenticeship Introduction to Welding) 3 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  
- **WAF116 (Ironworker Pre-Apprenticeship Shielded Metal Arc Welding) 4 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  
- **WAF117 (Ironworker Pre-Apprenticeship Flux Cored Arc Welding) 4 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  
- **WAF119 (Ironworker Pre-Apprenticeship Rigging and Cranes) 2 credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00

- **WAF120 (Ironworker Pre-Apprenticeship Print Reading and Contextualized Math) 2 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  
- **WAF125 (Introduction to Welding Processes I) 2 Credits**
  - Fire retardant welding jacket (hybrid jacket recommended)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  
- **WAF126 (Introduction to Welding Processes II) 2 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00
  
- **WAF130 (Shielded Metal Arc Welding) 4 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00

- **WAF131 (Thermal Cutting, Gouging and Weld Repair) 3 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00
  
- **WAF139 (Basic Metal Fabrication) 3 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Kevlar fabrication gloves with rubber palm
    - Estimated Prices - \$10.00 - \$50.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00
  
- **WAF140 (Inspection and Testing) 3 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00
  
- **WAF150 (Automated Welding and Cutting) 3 Credits**
  - Fire retardant welding jacket (hybrid jacket recommended)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00

- **WAF210 (Welding Metallurgy) 3 Credits**
  - Fire retardant welding jacket (hybrid jacket recommended)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00
  
- **WAF230 (Advanced Shielded Metal Arc Welding) 4 Credits**
  - Fire retardant welding jacket (hybrid jacket recommended)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00
  
- **WAF231 (Gas Tungsten Arc Welding) 4 Credits**
  - Fire retardant welding jacket (hybrid jacket recommended)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (GTAW gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00
  
- **WAF232 (Semi-Automatic Welding Processes) 4 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG Gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00

- **WAF233 (Submerged Arc and Flux Core Arc Welding) 3 Credits**
  - Fire retardant welding jacket (**ALL leather** jacket required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00
  
- **WAF239 (Advanced Metal Fabrication) 3 Credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG Gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Kevlar fabrication gloves with rubber palm
    - Estimated Price - \$10.00 - \$50.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00
  
- **WAF290 (Advanced Training and Weld Certification) 3 credits**
  - Fire retardant welding jacket (leather sleeves required)
    - Estimated Price - \$25.00 - \$150.00
  - Welding helmet (auto darkening recommended)
    - Estimated Price - \$50.00 - \$400.00
  - All leather gauntlet-style welding gloves (Tillman Mighty MIG Gloves recommended)
    - Estimated Price - \$15.00 - \$30.00
  - Grinding Shield
    - Estimated Price - \$12.00 - \$100.00