

# School of Engineering & Technology Welding - Student Tool List

## Mandatory Tools and Personal Protective Equipment (PPE)

Students are required to purchase and maintain mandatory tools and equipment.

### Personal Protective Equipment (Mandatory for Shop/Lab Access)

1. Safety Glasses with affixed side shields (conforming to CSA Z94.3 or ANSI Z87.1) Note: prescription glasses must be approved with side-shields or be worn under approved safety glasses.
2. Safety Footwear: Steel-toed (conforming to CSA Z195-14); must be fire retardant leather construction and high-cut (6" minimum, not low-cut running shoes style).
3. Earplugs (conforming to CSA Z94.2); reusable band type recommended.
4. Welding helmet (conforming to ANSI Z87.1) – auto-darkening type recommended.
5. Oxy-Fuel welding/cutting goggles with a Shade 5 lens (conforming to ANSI Z87.1 or designed to be worn over the top of approved safety glasses).
6. Welding jacket with leather sleeves (or full leather).
7. Welding gloves: leather gauntlet type (multi-layer and insulated).
8. Welding gloves: leather 'TIG' type (single layer).

### Shop Tools and Equipment (Mandatory for Shop/Lab Activities)

1. Tape Measure: 16' or 5m long, metric & imperial scales.
2. Fillet weld gauge set: Imperial, 1/8" to 1"
3. Steel Pocket Ruler: 6" or 150mm long with pocket clip
4. Pliers: 'MIG' welding style
5. Shop use pencils and pens

In addition, students are required to purchase supplies, textbooks, and learning packages as outlined on Conestoga Bookstores listing for the welding program in which they are enrolled, and required resources as stated by the faculty at the outset of each course.

### Applicable Academic Programs:

[Manufacturing Engineering Technology - Welding & Robotics Program \(Optional Co-op\) - 1079](#)

[Welding and Fabrication Technician - 0046](#)

[Welding Engineering Technician - Robotics - 1502](#)

[Welding Engineering Technology - Inspection Program \(Optional Co-op\) - 0043](#)

[Welding Techniques - 1193](#)