



Introductory TIG (GTAW) Welding Processes Supply List (2025-26 Academic Year)

The following items are required for this program unless otherwise noted. All costs are approximate and the responsibility of the student. Further details will be provided by the instructor during orientation.

Required tools will be needed beginning in week 2 of the program.

Students are required to have access to a Tier 1 laptop for this program. For more information and technical specifications, visit the [Laptop and Technical Requirements](#) page.

Supplies Required	Approx Cost
Laptop: Tier 1 Specifications (Chromebook)	\$500
General school supplies. <i>Including, but not limited to, ruled paper, eraser, pens, pencils, binders, ruler, highlighters, 12-dividers for a binder, graph paper, etc.</i>	\$30
Calculator – Sharp EL520XT (scientific with trigonometric functions)	\$35
Locker rental	\$40
Combination lock for locker	\$15
Required Personal Protective Equipment PPE	
CSA Z94.3 approved safety glasses	\$20
CSA approved work boots, leather upper, minimum 6" height	\$200
TIG welding gloves	\$45
Auto-darkening welding helmet w/ grind mode, variable shade 9-13 and replaceable lens	\$100
Welding jacket	\$100
Required Welder's Tools	
Tape measure (metric and standard combination – 8m/25ft)	\$20
6" or 8" locking pliers (Vise Grips)	\$25
Welder's chipping hammer	\$15
12" Combination square	\$15
5" Angle grinder w/o trigger lock	\$200
5" Wire wheel for angle grinder	\$40
Total Supply Cost	\$1,400

Note: Students are permitted to bring personal protective equipment (PPE), required tools, and note taking materials into lab and shop spaces. Personal items, including backpacks, purses, jackets, and other unauthorized materials are not permitted. Lockers are available for rent.

Required Textbooks/Workbooks

MITT has a partnership with the University of Winnipeg Bookstore. To view your textbook list, please visit: [Link to University of Winnipeg Bookstore](#)

Options available to purchase textbooks:

1. Go in-person to the University of Winnipeg (U of W) Bookstore. Be sure to check their website for hours of operation and closure information.
2. Use the U of W online bookstore (by visiting the link noted above).
3. Source book(s) through other online providers **only if** these are **same edition**.