



## ELECTRICAL APPLICATIONS SUPPLY LIST

The following items are required for this program unless otherwise noted. Further details will be discussed by the instructor on the first day. All costs are approximate and the responsibility of the student.

**A laptop or desktop PC is a required device for this program. Must include working camera and microphone.**

Supplies/Expenses Required	Approximate Cost
Minimum of (2) two re-usable non-medical grade masks <i>Note: Disposable masks are an acceptable alternative. Cost may vary.</i>	\$20.00
Calculator - Sharp EL520XT (preferred) or a scientific calculator with equivalent functionality. The calculator must be able to perform complex number calculations.	\$20.00
One (1) pair of safety glasses – CSA/Z87 approved	\$15.00
One (1) pair of electrician gloves	\$30.00
General school supplies. <i>Including, but not limited to, ruled paper, pens, pencils, binders, ruler, highlighters, 12-dividers for a binder, graph paper, etc.</i>	\$30.00
Coloured Pencils	\$10.00
Locker rental, optional	\$40.00
Combination lock for locker, if applicable	\$10.00
USB memory stick (minimum 8GB)	\$20.00
Headphones	\$30.00
Computer (see technology requirements below)	Cost may vary
Required Electrician's Tools <i>(brand/manufacturer are suggestions only)</i>	
Linesman pliers – Klein, Greenlee, Milwaukee	\$40.00 - \$50.00
Diagonal/Side-cutters - Klein, Greenlee, Milwaukee	\$40.00 - \$50.00
Wire Strippers (16AWG – 10AWG) - Klein, Greenlee, Milwaukee	\$20.00 - \$30.00
Knife (hook blade) - Klein, Greenlee, Milwaukee	\$20.00
Screw drivers (approximately \$10.00 each):	\$40.00
<ul style="list-style-type: none"> <li style="width: 50%;"><ul style="list-style-type: none"><li>• Robertson #1 (green)</li><li>• Robertson #2 (red)</li></ul></li> <li style="width: 50%;"><ul style="list-style-type: none"><li>• Phillips #2</li><li>• Flat #2</li></ul></li> </ul>	
Hammer – 20oz or 16oz minimum	\$20.00
Needle Nose Pliers	\$25.00
Electrician Tool Pouch	\$30.00
Belt for Tool Pouch	\$15.00
Tape measure (metric and standard combination – 8meter/25foot)	\$20.00
Hacksaw frame	\$15.00
Magnetic Torpedo level	\$25.00

**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.

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## Technology Requirements for Online Learning

Check out [About Online Learning](#) for details on technology requirements for this program, including minimum computer specifications. It is recommended that computers are PC's that support Windows 10 and Microsoft Office Suite 2016 or 2019 operating systems. *We do not recommend the use of Chromebooks, Apple products, or tablet-style devices, as they may not be compatible with the required applications of some courses.*

The estimated cost for a new computer that meets the minimum specifications is \$1,000.00.

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## Required Textbooks/Workbooks:

MITT has a partnership with the University of Winnipeg Bookstore. To view your textbook list, please visit: <https://www.bkstr.com/winnipegstore/home>

## Options Available to Purchase Your Textbooks:

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

## Specific Instructions Provided by Instructor:

1. Preference is for all textbooks to be in print format.
2. The CSA code book must be purchased in the PRINT format. The course has an open book exam and no electronic devices are allowed in the examination room.

## Note:

- Manitoba Institute of Trades and Technology does not operate a bookstore or supply store.
  - For more information on textbooks, please visit <https://mitt.ca/textbooks>.
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## Reference Books, Supplies and/or Equipment:

- All classroom reference books, resources, supplies and/or equipment are to be returned to the Instructor at program completion.