

Applied Electrical Installation Tool List 2024-25

All costs are approximate and are subject to change.

The trade requires tradespeople to work in many different types of weather conditions. Although the college experience will take place largely in classrooms and shops, it may also take place in the college compound where the construction of buildings may take place or work on outside structures. Students should be prepared to equip themselves accordingly to accommodate these conditions.

Required Supplies (Needed for first day of class) - \$280

- Safety Boots (CSA Approved, Steel Toe, Omega Symbol) \$160
- Safety Glasses (CSA Approved with Safety Cords) – clear lenses \$20
- Hearing Protection (as required in shops) \$15
- Classroom supplies (binders, paper, pens, pencils) \$50
- Sharp EL-531XT Calculator (Instructional support provided for this model only.) \$20
- DUO Mobile APP Download FREE
-OR YubiKey (see below) \$70
- **Must have access to a computer/laptop running Windows 10 or higher,** complete with a camera, microphone, and Microsoft Office.
Assiniboine Community College can provide students with a link to download Microsoft Office 365 at no charge.
- **Must have access to reliable high-speed Internet**

Multifactor Authentication (MFA)

Assiniboine Community College requires all students and staff to use an additional method to verify identity when accessing college systems, this is known as [multifactor authentication \(MFA\)](#). MFA adds an extra layer of security to protect you, your personal information and college systems from unauthorized access and phishing attacks.

In order to access any program on the College's network, including MyACC, you are required to:

1. Download the free DUO Mobile app on your own mobile device and follow the enrollment steps outlined in the video on the MFA webpage, visit assiniboine.net/mfa. *Note: You will only do this when you first attempt to access our college system. Do not delete the app after, you will need it for every time you login to Assiniboine services.*

OR

2. Purchase a YubiKey, costs vary by type and are available at the Bookstore. It is important to know the type required for your device.

For more information on multifactor authentication visit, assiniboine.net/mfa.

Required Tools - \$710 (NOT needed for first day of class)

Advice on necessary tool purchases can be obtained from the instructor of the program. Students are encouraged to wait to purchase tools until discussing requirements and alternatives.

Packages/Tool kits (Approximate cost \$710) - available from electrical wholesalers at reasonable rates.

1. Tradesman Pro Hard Bar Bag
2. 9" Linesmen cut pliers
3. 8" needle nose pliers
4. #2 Phillips screwdriver
5. 4" standard screwdriver, 3/16" tip
6. 6" standard screwdriver, 1/4" tip
7. 6" cabinet screwdriver 3/16"
8. 10" EXT CAP ADJ, 1-5/16" jaw
9. Electricians hammer
10. Tape measure 7.5 m/25 ft, dbl magnet
11. 9-Key folding hex key set
12. Pocket knife (2-5/8" SS) (hawkbill knife) or utility knife
13. Dual purpose 12" hack saw
14. 9" torpedo level
15. Dual range non-contact voltage tester
16. 6-in-1 thread tapping tool
17. 1" lockout hasp
18. #1 recess Robertson screwdriver
19. #2 recess Robertson screwdriver
20. #1 Phillips screwdriver
21. 6" round screwdriver 1/4"
22. Electricians – 18 Pocket Tool Pouch
23. Powerline adjustable belt, black
24. Clamp meter-AC+TRMS
25. 10" Klein Klaw – Quick adjust
26. 8" side cutters
27. Wire strippers
28. Cable cutter

Additional Required Tools - not included in the above kit (Approximate Cost \$ \$200)

- Keyed Padlock

Total Cost of PPE (Personal Protective Equipment), Supplies and Tools = \$1,190