

## Piping Trades Tool List 2023-24

*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) - \$460

- |   |         |
|---|---------|
| • Safety Boots (CSA Approved, steel or composite toe and plate, Green Symbol)   | \$160   |
| • Safety Glasses (CSA Approved)   | \$20    |
| • Hard hat (not white) (CSA Approved)   | \$20    |
| • Hearing Protection (as required in the shop)  | \$15    |
| • Gloves  | \$20    |
| • Coveralls   | \$100   |
| • Welding Gloves  | \$50    |
| • Sharp EL-531XT Calculator   | \$20    |
| • Silver Sharpie Marker   | \$5     |
| • Duo Mobile APP Download   | FREE    |
| OR YubiKey (see below)  | \$70.00 |
| • Classroom Supplies (pens, paper, binders, etc.)   | \$50    |
| • <b><u>Must have access to a computer/laptop</u></b> complete with a camera, microphone, and Microsoft Office.<br><i>Assiniboine Community College can provide students with a link to download Microsoft Office 365 at no charge.</i> |         |
| • <b><u>Must have access to the internet</u></b>  |         |

#### 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](https://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](https://assiniboine.net/mfa).

## Required Tools - \$445

- Claw hammer
- Multi bit screw driver
- Large flat screw driver 12" x 3/8"
- Set of Allen wrenches (Imperial & Metric)
- 10" channel lock pliers (curved jaw)
- 12" adjustable wrench
- Tape measure (Imperial 25' & Metric)
- Torpedo level
- 5/16" and 1/4" Nut driver
- Hack saw
- Combination pliers (8")
- Needle nose pliers
- 2 - 14" pipe wrenches
- Utility knife
- Pex tube cutter
- Copper Tube Cutter 1/8" to 1 1/8"
- Tool box or bag
- Fitter's gloves
- Multimeter with amp clamp **\*DO NOT PURCHASE UNTIL HEATING PRINCIPLES COURSE.**

**Total Supply and Tool Costs is approximately \$905 for the Piping Trades program.**