

Industrial Metals Fabrication Tool List 2022-23

(Full Program)

All costs are approximate and are subject to change.

No hand tools are required for this program. Welding helmets will not be required until March.

Required Supplies (Needed for first day of class) - \$350

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| • Safety Boots (CSA Approved - steel or composite toe and plate, Green Symbol) | \$160 |
| • Safety Glasses – must be clear lenses (CSA Approved) | \$20 |
| • Coveralls – should be cotton or cotton blend, no polyester | \$100 |
| • Sharp EL-531XT Calculator | \$20 |
| • Duo Mobile APP Download | FREE |
| • OR YubiKey (see below) | \$70.00 |
| • Classroom Supplies (pens, paper, binders, & 1 black sharpie marker) | \$50 |
| • <u>Must have access to a computer/laptop</u> complete with a camera, microphone, and Microsoft Office. | |
| <i>Assiniboine Community College can provide students with a link to download Microsoft Office 365 at no charge.</i> | |
| • <u>Must have access to the Internet</u> | |

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 \(MFA\)](https://www.assiniboine.net/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://www.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://www.assiniboine.net/mfa).

Other Required Supplies (Needed in March 2023) - \$350

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| • Welding Helmet (Auto Darkening is recommended) | \$300 |
| • Welding Gloves | \$50 |

Other Costs (Optional) - \$472.50

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| • Canadian Welding Bureau (C.W.B.) Testing - 3 tests (\$157.50 per test)
Shielded Metal Arc Welding (SMAW) 1GF (Flat position Groove/Fillet),
Gas Metal Arc Welding (GMAW) 1GF (Flat position Groove/Fillet), and
Flux Core Arc Welding (FCAW) / Metal Core Arc Welding (MCAW) 1GF (Flat
Position Groove/Fillet). | \$472.50 |
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Total Supply and Tools Costs = \$700 for the Industrial Metals Fabrication program and if a student wants to do CWB tests, an additional \$472.50 would be required.