



Welding
Beloit Campus
2026-2027

The following are the required tools for this program. All tools are to be of the finest quality. Tools will be inspected prior to being used in the department. The department reserves the right to refuse the use of worn or defective tools or tools which do not conform to the specifications of this list and the department chairperson.

Required Tools and Equipment:

Quantity	Tool Item Name
1	Leather Cap Sleeve and bib or welding jacket
1	Soft Billed Welding Beanie
1	Metal Marking Scribe
1	Welding Helmet – Fibermetal pipeliner, Outlay Leather with ratcheting headgear
25	Monomer 2x4 cover lenses
1	Safety glasses
1	Tool Box – no larger than 16x22 (Milwaukee Packout box)
1	Face shield with clear lens + headgear
1	Face shield with #5 lens + headgear
1	Silver Streak + refills
1	Atlas Tomahawk chipping hammer
1	Soapstone Holder – round
1	25’ tri-tap 12 gauge cord
2	Striker 3 flint + refills
1	WYPO Standard Tip Cleaners – 4 1/2 ”
1	Lee Little Helper, or Curve-omatic
1	Carbon Wire Brush – Shoe Handle type
1	5/8” arbor wire wheel (Cup brush)
1	5/8” arbor cone stone for I.D. grinding
2	10R Vise Grip
2	11R Vise Grip
1	6” Center Punch
1	5/8” Cold Chisel



FORT HAYS TECH NORTH CENTRAL

1	25' Steel Tape Measure – 25' x 1"
1	<u>Metal</u> Combination Square
1	Aluminum Swanson Speed Square
1	T-Bevel (Aluminum handle; no plastic)
1	2 1/2# Blacksmith Hammer
1	Multipurpose screwdriver
1	Welding Gloves with gauntlet
1	Leather drivers gloves- Caiman/Tillman
1	8" Pliers
1	10" Adjustable Plated Wrench (Diamond or Crescent)
1	8" Adjustable Plated Wrench (Diamond or Crescent)
1	Welpers
1	Cresant/flat file 8" or 10"
2	Heavy duty 6" grinder (110 volt- Makita, DeWalt), battery - (DeWalt, Millwaukee)
5	6" grinder wheels (1/4", 1/8")
2	Weiler Roughneck wire wheel bead brush
1	Rat tail file
1	1 Pkg= 10 electrodes - 3/32 E-3 Tungsten (Weldcraft, Benchmark abrasives, Diamond Ground)
1	paint marker
1	10 or 12 quart galvanized bucket
1	Fillet weld gauge
1	3M respirator 6502QL (typical size M or L)
1	3M respirator advanced particulate filter 2297
1	Dell or HP laptop
	Minium requirements-
	256 GB hard drive, 8 or 16 GB RAM, 17(+) processor (7 th generation or higher),
	windows II preferred operating system, at least two USB-A ports
1	calculator
	Texas Instruments Ti-30xIIS or Pipe Trades Pro - Model 4095
1	Stainless Steel – Shoe Handle type _____
1	Leather Pliers Pouch
1	Small pen light
1	Victor-style torch tip 0-1-101

Vendor Information:

Tools may be purchased from the vendor of your choice.

Contact:

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785-738-9029