

# Welding Technology ♦ First Year ♦ 2023-2024 Tool List

## Basic Tools & Instruments

Quantity	ITEM	
<b>MUST HAVES BY 3rd DAY OF FALL SEMESTER</b>		
1	each	Spark striker w/extra flint tips
2	each	Tip cleaners (2)
5	pieces	Soapstone
1	each	Chipping hammer
1	each	Wire brush, carbon steel
1	each	12" Combination square set
1	each	12" crescent wrench
1	each	1 pair vice grips (straight)
1	each	Center punch / small chisel set
1	each	2 lb Ball peen hammer
1	doz.	Silver welder's pencil
1	each	Tool box
1	each	25' tape measure
1	each	4 1/2" grinder
1	Box	1/4"x4-1/2" Grinding Disc
2	each	Bold tip black sharpie markers
1	each	straight die grinder
1	each	Speed Square
1	each	Files (half round)
1	each	"Welper" pliers
1	each	Flat and cross tip screwdriver set
1	each	Wire wheel
1	each	Roll of electrical tape
2	each	Vise grip C-clamps
1	each	Flashlight - Streamlight Stylus Pro
1	each	Protractor #17
1	set	Extra batteries for welding helmet
1	set	Carbide burrs

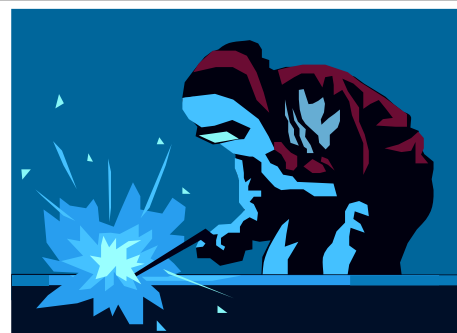
## Clothing and Protective Gear

Quantity	ITEM	
<b>MUST HAVES BY 3rd DAY OF FALL SEMESTER</b>		
1	each	Welding hood with flip up lens, #10 lens or an automatic darkening lens
1	each	Welder's cap
1	each	Fillet Weld Gauge set
1	each	Leather welding jacket
1	pair	Leather gloves with gauntlets
1	pair	Steel toe leather boots, 6" or higher
1	each	Safety glasses, clear lens <u>and</u> shade # 5 (both required)
10	each	Replacement outer clear lens for your helmet
5	each	Inner clear lens for welding helmet

1	pair	Ear plugs
1	each	V-Wac Gauge
1	each	Off hand heat shield

### Additional Supplies (May be purchased at the campus bookstore)

1	each	Notebook with perforated pages (8 1/2" x 11")
1	each	Basic calculator
1	each	Compass
1	each	Eraser
1	each	Protractor
1	each	12" Architect Scale
several		Pencils and pens



### APPROXIMATE TOTAL COST OF TOOLS/EQUIPMENT

(Does not include the cost of textbooks)

**\$600 - \$1200**

(Prices subject to change based on price quotes received from the vendors)

**NOTE:** *If there are any questions regarding tools/equipment please contact the instructors by email.*

**Link to Finding Textbooks & Bookstore Costs**

[www.bookstore.nic.edu](http://www.bookstore.nic.edu)



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