

# Machining and CNC Technology ♦ First Year ♦ 2021-2022 Tool List

## REQUIRED TOOLS / INSTRUMENTS

Quantity	ITEM	ITEM	
1	set	Hex Keys (metric 2-12mm) BONDHUS	\$15.00
1	set	Hex Keys (inch 5/32-1/2") BONDHUS	\$15.00
1	ea	0-1 Micrometer friction or ratchet thimble (Starrett T230XRL or T230XFL Mitutoyo Series 102 – opt. both must read to .0001 Carbide Faces)	\$120.00
1	ea	60-degree center gage, Starrett #C391	\$8.00
1	set	Open end / box wrenches to 15/16ths	\$40.00
1	ea	12" adjustable wrench	\$30.00
1	ea	Magnetic base (NOGA)	\$100.00
1	ea	1" Travel dial indicator, .001 calibrations (Starrett, Swiss, or Brown & Sharpe) Good Quality	\$113.00
1	ea	Edge finder (Starrett #827B) recommended	\$29.00
1	ea	6" digital caliper (Mitutoyo) recommended/8" preferred	\$151.00
1	ea	Center punch 90 degrees, medium	\$9.00
1	ea	Ball peen hammer, 20 oz.	\$25.00
1	ea	Carbide-tipped scribe	\$11.00
1	ea	6" Precision rule, Mitutoyo, 1/2 flex recommended	\$13.00
1	ea	Screw pitch gage, inch / import OK	\$21.00
1	ea	12 ft. measuring tape 1/2" width	\$13.00
1	ea	Toolbox (must lock) 7-drawer machinists	\$370.00
1	ea	Mitutoyo test indicator 513-242	\$137.00
1	ea	Magnetic base for 1" indicator Mitutoyo Mag	\$21.00
1	ea	Dead blow hammer (1# - can be imported)	\$35.00
1	ea	Thread pitch wires (quality import ok)	\$35.00
1	ea	INDICOL test indicator holder	\$96.00
1	ea	Half-round smooth file, 10" USA	\$27.00
1	ea	Parallel set 1/8 inch wide / Import	\$80.00
1	ea	8 GB flash drive	\$15.00

### MUST HAVES FOR FIRST DAY OF CLASS

1	pair	Safety glasses	\$2.50
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***NOTE: It is recommended that students not purchase tools or equipment until after classes have begun and specific tool/ equipment requirements have been discussed in class.***

## APPROX. TOTAL COST OF TOOLS / INSTRUMENTS

(Does not include the cost of textbooks)

\$1200 - \$2000

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

Link for Finding Textbooks & Bookstore Cost

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



## SUPPLIERS:

**Stellar Industrial Supply** 800-532-9100  
1120 N. Howe Rd., Spokane, WA 99212

**Enco** 800-USE-ENCO (800-873-3625)  
400 Nevada Pacific Hwy., Fernley, NV 89408

**MSC** 800-645-7270  
[www.msdirect.com](http://www.msdirect.com)

**General Tool & Supply Co.** 208-798-3239  
0016 9th St. Lewiston, ID 83501

**Bixby Tool Co.** 800-428-2803  
1218 N. Fancher Road, Spokane, WA 99212

**Swift Tool Co.** 800-562-0900  
[www.swifttool.com](http://www.swifttool.com)



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