#  MACHINING, 1ST YEAR t 2025-2026 Tool List

## REQUIRED TOOLS / INSTRUMENTS

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

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## MUST HAVES FOR FIRST DAY OF CLASS

|  |  |
| --- | --- |
| **Quantity** | **ITEM** |
| **1 pair** | **Safety glasses** |

## SUPPLIERS:

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| \*Stellar Industrial Supply 509-532-9100 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) |

APPROXIMATE COST OF TOOLS / INSTRUMENTS (NOTE: Does not include cost of textbooks)

**$1,200 - $2,000**
(Prices subject to change based on price quotes received from the vendors)

**Link for Finding Textbooks & Bookstore Cost**
[**https://nicbookstore.com**](https://nicbookstore.com/)

 ***NOTE: It is recommended that students not purchase tools /equipment until after classes have started and specific tool / equipment requirements have been discussed in class.***


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