

IDAHO STATE UNIVERSITY COLLEGE OF TECHNOLOGY

PROGRAM TITLE: COMPUTERIZED MACHINING TECHNOLOGY**BOOK AND TOOL LIST**

Textbooks may be purchased at the University Bookstore located at the Pond Student Union - Building #14. Textbooks may also be purchased or reserved on-line through www.efollett.com or the bookstore's website at www.isu.edu/bookstor. Payments may be made with cash, check, VISA, MasterCard, American Express, or Discover. A shipping charge will be added for mail orders. See the bookstore's website for more information on purchasing or reserving books or for refund policy information. **Save Your Receipts!**

**Approximate total book and tool costs for this program's options are listed below.
Additional book costs will vary depending on the courses taken to fulfill
general education requirements for the AAS degree.
For a breakdown of books by individual class requirements, you must check your course curriculum.**

NOTE: PRICES ARE SUBJECT TO CHANGE AT ANYTIME WITHOUT PRIOR NOTIFICATION

I. BOOKS (LISTED BY COURSE) AND SUPPLIES

Description	Approximate Price	
MACH 0111 Engine Lathe Theory I		
Machinery's Handbook	0831128005	95.00
Machine Tool Practices	0135015081	137.00
MACH 0112 Machine Math I		
Mathematics for Machine Technology	1428336567	137.00
MACH 0123 Interpreting Blueprints		
Print Reading for Industry	1605253081	75.00
MACH 0261 CNC Introduction to Theory		
CNC Programming Handbook (W/CD)	0831133473	75.00
Calculator – TI-36X or equivalent		18.00
Safety Shoes (Steel Toe required)		30.00
Approximate Total Books and Supplies		\$567.00

**DO NOT PURCHASE TOOLS UNTIL AFTER THE FIRST DAY OF CLASS.
VENDORS WILL BE AVAILABLE IN THE PROGRAM.**

II. TOOLS, FIRST SESSION (NOTE: TOOLS MUST BE PURCHASED BY FIRST WEEK OF CLASS)

Quantity	Description	Price
1 pair	Safety Glasses with side shields OSHA approved, non-prescription	\$ 10.00
1	6" X 3/4" Scale in Fractions, 32nds 64ths, 50ths, and 100ths	\$ 8.00
6	High speed steel with 5% cobalt lathe bits 3/8" x 3/8"	\$ 25.00
1	6 inch caliper - digital or dial type	\$ 85.00
1	2 inch paint brush	\$ 1.00
1	Dial indicator - 1" minimum travel	\$ 20.00
1	Dial test indicator with attachments	\$125.00

1	10 inch smooth cut file	\$ 10.00
1 set	25 piece radius gauge set	\$ 52.00
1	Thread center gauge - 60 degree standard	\$ 8.00
2	Grease pencils	\$ 1.00
1	20 oz. Dead Blow Hammer	\$ 25.00
1	Magnetic indicator base with attachments	\$ 30.00
1	Micrometer - 0-1" (Vernier Reading to 4 th decimal place)	\$110.00
1	Micrometer - 1-2" (Vernier Reading to 4 th decimal place)	\$ 125.00
1	Micrometer - 2-3" (Vernier Reading to 4 th decimal place)	\$ 170.00
1	Depth Micrometer - 0-6"	\$ 240.00
1	# 3 Center Drill	\$ 5.00
1	#4 Center Drill	\$ 8.00
1	6 inch triangular taper file	\$ 7.50
1 set	6 piece adjustable parallels	\$ 160.00
1	6 inch pliers	\$ 8.00
1 set	Screwdrivers - Regular and Phillips	\$ 9.00
1	Scriber	\$ 6.00
1	EZE - Lap Diamond Stone	\$ 8.00
1	Tape measure	\$ 8.00
1 set	Thread wires	\$ 21.00
1	Mighty Mag Way Magnetic Base	\$ 15.00
1	Wrench, Adjustable - 12"	\$ 15.00
1	Telescoping Gauge – 4 piece set	\$100.00
1	Mighty-Mag (way magnetic base)	\$16.00
1	Wrench, Hex Key - 1/32" to 3/8"	\$ 9.00
1	Wrench, Hex Key Metric 2-8	\$ 8.00
Approximate Total Tools Needed for First Session		\$ 1,448.50

III. TOOLS, SECOND SESSION (NOTE: TOOLS MUST BE PURCHASED BY FIRST WEEK OF CLASS)

Quantity	Description	Price
1	Tool Box - Top Box	\$ 250.00
1	Cabinet - Roller	\$ 425.00

2 each	Clamps, cantilever (1 inch, 2 inch and 3 inch)	\$ 52.00
1 set	Drills - 115 piece (USA Only)	\$120.00
1	Edge finder - single end	\$ 25.00
1 set	Swiss pattern files	\$ 12.00
1	10 oz. Ball Pein Hammer	\$ 15.00
1	Half round indicator clamp holder	\$ 35.00
1	Sharpening Stone (Arkansas Hard) - Approximately 4" x ½" x ½" square	\$ 5.00
1	Sharpening Stone (Arkansas Medium) - Approximately 4" x ½" diameter round	\$8.00
1	Tap guide	\$ 10.00
1	Square Combination Set (4 piece set)	\$200.00
1	Wrench, Box end - 3/4"	\$ 8.00
Approximate Total Tools Needed for Second Session		\$ 1,165.00

IV. OTHER EXPENSES

DESCRIPTION	APPROXIMATE PRICE
Class fees* for MACH 0110, 0120, 0130, 0140, 0250, 0260, 0270, 0290 (50.00 each)	400.00
Graduation Application fee for first Certificate/Degree	20.00
Optional fee for any additional Certificate/Degree	(10.00)
Approximate Total Other Expenses	\$420.00

*Class Fees will be used to pay for required assessment testing for students, and for MasterCAM software license, computer paper, ink cartridges, metal, and equipment.

Approximate Total Books & Tools - Machining Technology	\$3,600.50
---	-------------------

Anticipate additional expenses associated with this program:
Textbooks associated with academic courses,
 Transportation, parking, child care, housing, etc.
 You must check your class schedule to determine textbooks required by instructor.