TCAT JACKSBORO

Machine Tool Technology
2026 - 2027
Cost Sheet

The work of machine tool operators, machinists, tool and die makers, industrial maintenance personnel and those in related occupations requires skill in machining metal by such machine tools as milling machines, lathes, grinders, drill presses, CNC milling machines, EDM machines and the ability to use precision measuring tools. The course in machine shop is designed to give students experience on a variety of machine tools similar to those on which they will work after graduation. Instruction is given in related blueprint reading and mathematics, precision measuring, and such basic metallurgy as properties of metals, their workable characteristics, best treatment of metals, and relative hardness.

All book and supply costs are estimates and subject to change without notice.

First Term	ISBN		432 Hours
Maintenance Fee		$1,446.00	Due at Registration
Student Activity Fee		$10.00	Due at Registration
Tech Access Fee		$85.00	Due at Registration
Precision Machining Technology	9781337795302	$150.00	Approximate
Machine Trades Printreading	9781645646563	$125.00	Approximate
OSHA Fee		$75.00	Approximate
Subtotal		**$1,891.00**	

Second Term	ISBN		864 Hours
Maintenance Fee		$1,446.00	Due at Registration
Student Activity Fee		$10.00	Due at Registration
Tech Access Fee		$85.00	Due at Registration
Subtotal		**$1,541.00**	

Third Term	ISBN		1296 Hours
Maintenance Fee		$1,446.00	Due at Registration
Graduation Package		$100.00	Due at Registration
Student Activity Fee		$10.00	Due at Registration
Tech Access Fee		$85.00	Due at Registration
Subtotal		**$1,641.00**	

Fourth Term	ISBN		1728 Hours
Maintenance Fee		$1,446.00	Due at Registration
Student Activity Fee		$10.00	Due at Registration
Tech Access Fee		$85.00	Due at Registration
Subtotal		**$1,541.00**	

Tool Requirements (1st Trimester)

B & S #599-792-2 Edge Finder
6" long — 16R graduation — 1/2" wide ruler
0–1" Outside Micrometer (.0001 grad.)
Dead Blow Hammer (20 oz.)
#5002-4E — 2 pc Dial Indicator & Magnetic Base
Fowler X-Test Indicator 1" /.0005 (52-562-002-0)
Indicol Style S (1-7/8")
Insize Dial Caliper 6" Rex .001" (1311-6)
#5031 60° — 14ths/20ths/24ths/32nds Center Gage
16 oz Ball Pein Hammer — Fiberglass Handle
#CS123 — 12" 3-pc Combination Square Set
Tool Cart
Safety Glasses, clear lens
3/4 x 7/8 — 12" OAL Chrome 10° Offset box wrench
22 pc Hex Key Set (.050–3/8" & 1.5–10mm)
26 leaf Thickness Gage (.0015–.025")
6 pc Swiss Pattern Needle File Set — 5-1/2"; 0 Cut
File Card — #10
Texas Instruments TI-30XA Scientific Calculator
KTX34-16-N Measuring Tape 3/4" x 16"
12" Adjustable Wrench

Estimated Tool Cost	**$1,450.00**

TOTAL ESTIMATED COST FOR PROGRAM	**$6,614.00**
TOTAL ESTIMATED COST INCLUDING EXTERNAL COSTS	**$8,064.00**

Updated: June 2026