

KELLOGG COMMUNITY COLLEGE INDUSTRIAL MACHINING TECHNOLOGY COURSE OPTIONS

SPRING 2022

Certificate: 30 credits (minimum requirement for certificate cannot be completed entirely at this location)
Associate in Applied Science: 60 credits (combination of industrial machining technology, technical electives, and general education credit requirements)

All costs are subject to change without notice. Please call 269-965-4137 to verify.

Module Subject Code and Number	Module Title	Credit	Contact Hours	Lab Fees	Tuition	Total Cost
<input type="checkbox"/> INMT C910-7201	MACHINING TECH ORIENTATION The orientation must be completed at the RMTC in Battle Creek prior to registration. Please call 269.965.4137 to verify available orientation times.		2	0.00	0.00	0.00
UNIT 05 MACHINE TOOL BASICS						
<input type="checkbox"/> INMT 05010-6250	MACHINERY'S HANDBOOK	0.17	4	18.00	43.86	61.86
UNIT TOTAL		0.17	4	18.00	43.86	61.86
UNIT 10 MACHINE TOOL SAFETY						
<input type="checkbox"/> INMT 10010-6250	MACHINE TOOL SAFETY	0.17	4	30.00	43.86	73.86
UNIT TOTAL		0.17	4	30.00	43.86	73.86
UNIT 15 BLUEPRINT READING						
<input type="checkbox"/> INMT 15010-6250	MACHINE TOOL BLUEPRINT READ	0.83	20	47.00	214.14	261.14
<input type="checkbox"/> INMT 15020-6250	GEOMETRIC DIMENSION TOLERANCE	0.33	8	44.00	85.14	129.14
UNIT TOTAL		1.16	28	91.00	299.28	390.28
UNIT 20 FUNDAMENTAL SKILLS						
<input type="checkbox"/> INMT 20010-6250	BASIC SHOP MATH	0.67	16	47.00	172.86	219.86
<input type="checkbox"/> INMT 20020-6250	MACHINE TOOL MATH	0.75	18	56.00	193.50	249.50
<input type="checkbox"/> INMT 20030-6250	MACHINIST SCALE	0.08	2	23.00	20.64	43.64
<input type="checkbox"/> INMT 20040-6250	DIVIDERS	0.08	2	16.00	20.64	36.64
<input type="checkbox"/> INMT 20050-6250	SPRING CALIPERS	0.08	2	18.00	20.64	38.64
<input type="checkbox"/> INMT 20060-6250	COMBINATION SQUARE	0.08	2	24.00	20.64	44.64
<input type="checkbox"/> INMT 20070-6250	HERMAPHRODITE CALIPERS	0.08	2	18.00	20.64	38.64
<input type="checkbox"/> INMT 20080-6250	SURFACE GAGE	0.08	2	18.00	20.64	38.64
<input type="checkbox"/> INMT 20090-6250	IDENTIFY SURFACE FINISHES	0.08	2	13.00	20.64	33.64
UNIT TOTAL		1.98	48	233.00	510.84	743.84
UNIT 25 PRECISION MEASUREMENT						
<input type="checkbox"/> INMT 25010-6250	MICROMETER	0.13	3	17.00	33.54	50.54
<input type="checkbox"/> INMT 25020-6250	CALIPER DIGITAL VERN DIAL	0.17	4	12.00	43.86	55.86
<input type="checkbox"/> INMT 25030-6250	TELESCOPING GAGES	0.13	3	14.00	33.54	47.54
<input type="checkbox"/> INMT 25040-6250	DEPTH MICROMETER	0.13	3	10.00	33.54	43.54
<input type="checkbox"/> INMT 25050-6250	DIAL INDICATORS	0.13	3	12.00	33.54	45.54
<input type="checkbox"/> INMT 25060-6250	GAGE BLOCKS	0.13	3	21.00	33.54	54.54
<input type="checkbox"/> INMT 25070-6250	MACHINE SHOP TRIGONOMETRY	0.67	16	35.00	172.86	207.86
<input type="checkbox"/> INMT 25080-6250	HEIGHT GAGE	0.17	4	10.00	43.86	53.86
<input type="checkbox"/> INMT 25090-6250	SINE BAR	0.17	4	12.00	43.86	55.86
UNIT TOTAL		1.83	43	143.00	472.14	615.14
UNIT 30 DRILL PRESS AND BAND SAW						
<input type="checkbox"/> INMT 30010-6250	SHOP MATH SPEEDS AND FEEDS	0.21	5	35.00	54.18	89.18
<input type="checkbox"/> INMT 30020-6250	SHARPENING DRILL BITS	0.25	6	15.00	64.50	79.50
<input type="checkbox"/> INMT 30030-6250	DRILLING ON THE DRILL PRESS	0.17	4	14.00	43.86	57.86
<input type="checkbox"/> INMT 30040-6250	REAMING ON THE DRILL PRESS	0.13	3	11.00	33.54	44.54
<input type="checkbox"/> INMT 30050-6250	COUNTERBORE SPOTFACE COUNTERS	0.21	5	11.00	54.18	65.18
<input type="checkbox"/> INMT 30060-6250	HAND TAP ON THE DRILL PRESS	0.21	5	14.00	54.18	68.18
<input type="checkbox"/> INMT 30070-6250	POWER TAP ON THE DRILL PRESS	0.25	6	11.00	64.50	75.50

KELLOGG COMMUNITY COLLEGE INDUSTRIAL MACHINING TECHNOLOGY COURSE OPTIONS

SPRING 2022

Certificate: 30 credits (minimum requirement for certificate cannot be completed entirely at this location)
Associate in Applied Science: 60 credits (combination of industrial machining technology, technical electives, and general education credit requirements)

All costs are subject to change without notice. Please call 269-965-4137 to verify.

Module Subject Code and Number	Module Title	Credit	Contact Hours	Lab Fees	Tuition	Total Cost
UNIT 30 DRILL PRESS AND BAND SAW (CONTINUED)						
<input type="checkbox"/> INMT 30080-6250	DRILL PRESS PROJECT	0.58	14	35.00	149.64	184.64
<input type="checkbox"/> INMT 30090-6250	BAND SAW BLADE WELDING	0.25	6	31.00	64.50	95.50
<input type="checkbox"/> INMT 30100-6250	VERTICAL BAND SAW PROJECT	0.25	6	21.00	64.50	85.50
UNIT 30 DRILL PRESS AND BAND SAW (CONTINUED)						
UNIT TOTAL		2.51	60	198.00	647.58	845.58
UNIT 35 TURNING ON LATHE						
<input type="checkbox"/> INMT 35010-6250	MAINTAINING THE LATHE	0.17	4	18.00	43.86	61.86
<input type="checkbox"/> INMT 35020-6250	GRINDING LATHE TOOLS	0.25	6	32.00	64.50	96.50
<input type="checkbox"/> INMT 35030-6250	FACING ON THE LATHE	0.21	5	23.00	54.18	77.18
<input type="checkbox"/> INMT 35040-6250	ALIGNING LATHE CENTERS	0.17	4	18.00	43.86	61.86
<input type="checkbox"/> INMT 35050-6250	PARALLEL TURNING ON THE LATHE	0.21	5	17.00	54.18	71.18
<input type="checkbox"/> INMT 35060-6250	GROOVE AND PART ON THE LATHE	0.13	3	16.00	33.54	49.54
<input type="checkbox"/> INMT 35070-6250	CUT RADII AND EXTERNAL TAPERS	0.50	12	14.00	129.00	143.00
<input type="checkbox"/> INMT 35080-6250	KNURLING ON THE LATHE	0.13	3	12.00	33.54	45.54
<input type="checkbox"/> INMT 35090-6250	BORING INTERNAL TAPERS	0.67	16	15.00	172.86	187.86
<input type="checkbox"/> INMT 35100-6250	CUTTING EXTERNAL THREADS	0.50	12	29.00	129.00	158.00
<input type="checkbox"/> INMT 35110-6250	CUTTING INTERNAL THREADS	0.42	10	14.00	108.36	122.36
<input type="checkbox"/> INMT 35120-6250	LATHE PROJECT	1.25	30	32.00	322.50	354.50
UNIT TOTAL		4.61	110	240.00	1189.38	1429.38
UNIT 45 VERTICAL/HORIZONTAL MILLING						
<input type="checkbox"/> INMT 45010-6250	DIAL IN VISE TRAM IN HEAD	0.21	5	18.00	54.18	72.18
<input type="checkbox"/> INMT 45020-6250	FLY CUTTER END MILL SQ BLOCK	0.21	5	19.00	54.18	73.18
<input type="checkbox"/> INMT 45030-6250	TILT HEAD TURN VISE CUT V	0.50	12	20.00	129.00	149.00
<input type="checkbox"/> INMT 45040-6250	DIGITAL READ DRILL TAP REAM	0.25	6	20.00	64.50	84.50
<input type="checkbox"/> INMT 45050-6250	TURNTABLE CUT RADII	0.33	8	20.00	85.14	105.14
<input type="checkbox"/> INMT 45060-6250	HORIZONTAL MILLING SAW SLOT	0.17	4	13.00	43.86	56.86
<input type="checkbox"/> INMT 45070-6250	SINE PLATE CUT ANGLES	0.33	8	17.00	85.14	102.14
<input type="checkbox"/> INMT 45080-6250	BORING HEAD BORE 4 HOLES	0.33	8	21.00	85.14	106.14
<input type="checkbox"/> INMT 45090-6250	INDEXING HEAD TO CUT KEYWAYS	0.17	4	17.00	43.86	60.86
<input type="checkbox"/> INMT 45100-6250	MATH FOR DIVIDING HEAD	0.17	4	11.00	43.86	54.86
<input type="checkbox"/> INMT 45110-6250	DIVIDING HEAD TO CUT GEARS	0.42	10	15.00	108.36	123.36
<input type="checkbox"/> INMT 45120-6250	UNIVERSAL INDEXING HEAD	0.50	12	13.00	129.00	142.00
<input type="checkbox"/> INMT 45130-6250	5C COLLET TO CUT SQUARE HEX	0.33	8	13.00	85.14	98.14
<input type="checkbox"/> INMT 45140-6250	MAKE DOVE TAILS	0.67	16	34.00	172.86	206.86
<input type="checkbox"/> INMT 45150-6250	MILL PROJECT	1.25	30	32.00	322.50	354.50
UNIT TOTAL		5.84	140	283.00	1506.72	1789.72
UNIT 50 SURFACE GRINDING						
<input type="checkbox"/> INMT 50010-6250	SQUARE A BLOCK (6 SIDES)	0.25	6	30.00	64.50	94.50
<input type="checkbox"/> INMT 50020-6250	GRIND ANGLES AND RADII	0.50	12	27.00	129.00	156.00
<input type="checkbox"/> INMT 50030-6250	OPERATE THE AUTOMATIC GRINDER	0.42	10	17.00	108.36	125.36
<input type="checkbox"/> INMT 50040-6250	COMPLETE TWO PROJECTS TO PRINT	1.58	38	21.00	407.64	428.64
UNIT TOTAL		2.75	66	95.00	709.50	804.50
UNIT 70 MACHINE TOOL PROJECTS						
<input type="checkbox"/> INMT 70010-6250	SINE BAR	0.83	20	22.00	214.14	236.14
<input type="checkbox"/> INMT 70020-6250	PRECISION VISE	2.08	50	32.00	536.64	568.64
<input type="checkbox"/> INMT 70030-6250	1-2-3 BLOCKS	1.00	24	22.00	258.00	280.00

**KELLOGG COMMUNITY COLLEGE
INDUSTRIAL MACHINING TECHNOLOGY
COURSE OPTIONS**

SPRING 2022

Certificate: 30 credits (minimum requirement for certificate cannot be completed entirely at this location)
Associate in Applied Science: 60 credits (combination of industrial machining technology, technical electives, and general education credit requirements)

All costs are subject to change without notice. Please call 269-965-4137 to verify.

Module Subject Code and Number	Module Title	Credit	Contact Hours	Lab Fees	Tuition	Total Cost
UNIT 70		MACHINE TOOL PROJECTS (CONTINUED)				
<input type="checkbox"/> INMT 70040-6250	TOOL MAKERS V-BLOCKS	1.67	40	24.00	430.86	454.86
UNIT TOTAL		5.58	134	100.00	1439.64	1539.64
TOTAL		26.60	639	1431.00	6,862.80	8,293.80

SPECIAL PROJECT MODULES

(Students must have instructor approval to register.)

<input type="checkbox"/> *INMT C710-6250	BASIC MACHINING PROJECT		2	70.00	0.00	70.00
--	-------------------------	--	---	-------	------	-------

*Module(s) cannot be paid for using certain types of financial aid. Please direct all inquiries to the staff at the RMTC registration desk.

*Please note: Kellogg Community College offers additional Industrial Machining Technology courses at the Regional Manufacturing Technology Center in Battle Creek.

FOR OFFICE USE ONLY

Instructor Approval _____ Date _____
 Total Credit _____ Total Contact _____ Total Cost _____