

Computerized Manufacturing & Machining Maysville Community & Technical College

Program Coordinator: Kenneth Barnett

Email: Kenneth.barnett@kctcs.edu

Contact Information: 606-783-1538 ext. 66336-Room 210

[Academic Plan Code: 4805037019; CIPODE;48050300

Prerequisite Information:

General Education & Support Classes	Credit Hours	Semester Taken
ENG101 Writing I	3	
Choose One: MAT116 Technical Mathematics OR MAT126 Technical Algebra and Trigonometry Or Higher	3 3	
Heritage/Humanities	3	
Science	3	
Social Interaction	3	
Subtotal Credits	15	
Electives(General Education or Technical	1	

Core Requirements <i>Taken upon program admission</i>	Credit Hours	Semester Taken
CMM110 Fundamentals of Machine Tool A And CMM112 Fundamentals of Machine Tool B OR CMM114 Fundamentals of Machine Tool*	3 4 (7)	
CMM118 Metrology/Control Charts*	2	
CMM120 Applied Machining I AND CMM122 Applied Machining II OR CMM124 Applied Machining*	3 3 (6)	
CMM130 Manual Programming AND CMM132CAD / CAM / CNC OR CMM134 Manual Programming CAD/CAD/CNC* OR CMM138 Intro to Programming & CNC Machines	3 3 (6) (6)	
TT210 Industrial Machining I AND CMM212 Industrial Machining II OR CMM214 Industrial Machining*	3 3 (6)	
Computer Literacy	0-3*	

Associates of Applied Science Degree

Notes:

1. Additional electives can lead to AAS degree in GOTS- -see check sheet.
2. Required minimum ACT or COMPASS scores

	Math	Reading	Writing
ACT			
COMPASS	42	74	49

See COMPASS Placement Scores in Master Advising Quick Guide for placement into developmental courses.

Core Requirements cont'd	Credit Hours	Semester Taken
CMM220 Advanced Industrial Machining I And CMM222 Advanced Industrial Machining II OR CMM224 Advanced Industrial Machining	4 2 (6)	
CMM2301 Intro to Conversational Programming AND CMM2302 Conversational Editing and Subroutines OR CMM230 Conversational Programming*	3 3 (6)	
CMM2401 Intro to 3D Sequencing & Tool Path Production AND CMM2402 Advanced 3D Code Sequencing &Macro Systems OR CMM240 Introduction to 3-D Programming* OR CMM244 Advanced Programming/Setup Practices	3 3 (6) (6)	
BRX110 Basic Blueprint Reading for Machinist AND BRX210 Mechanical Blueprint Reading Or BRX112 Blueprint Reading for Machinist	2 2 (4)	
Subtotal Credits Total Credits	49-52 65-68	

*Computer literacy must be demonstrated either by competency exam or by completing a computer literacy course.

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Program Coordinator: Kenneth Barnett

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Contact Information: 606-783-1538 ext. 66336-Room 210

[Academic Plan Code: 4805034069

CIP Code: 48050300

CNC Machinist Diploma-Non selective

General Education & Support Classes	Credit Hours	Semester Taken
Writing/Accessing Information OR Oral Communication OR Humanities OR Heritage	3	
Choose One: MAT116 Technical Mathematics OR MAT126 Technical Algebra and Trigonometry Or Higher	3 (3)	
Subtotal	6	
Electives	1	
Subtotal Credits	7	

Notes:

1. Additional electives can lead to AAS degree in GOTS- -see check sheet.
2. Required minimum ACT or COMPASS scores

	Math	Reading	Writing
ACT			
COMPASS	42	74	49

See COMPASS Placement Scores in Master Advising Quick Guide for placement into developmental courses.

Core Requirements <i>Taken upon program admission</i>	Credit Hours	Semester Taken
CMM110 Fundamentals of Machine Tool A AND	3	
CMM112 Fundamentals of Machine Tool B OR	4 (7)	
CMM114 Fundamentals of Machine Tool		
CMM118 Metrology/Control Charts	2	
CMM120 Applied Machining I AND	3	
CMM122 Applied Machining II OR	3	
CMM124 Applied Machining	(6)	
CMM130 Manual Programming AND	3	
CMM132CAD / CAM / CNC OR	3	
CMM134 Manual Programming CAD/CAM/CNC OR	(6)	
CMM138 Intro to Program & CNC Machines	(6)	
CMM210 Industrial Machining I AND	3	
CMM212 Industrial Machining II OR	3	
CMM214 Industrial Machining	(6)	
CMM220 Advanced Industrial Mach I AND	4	
CMM222Advanced Industrial Mach II Or	2 (6)	
CMM224 Advanced Industrial Machining		
CMM2301 Intro to Conversational Programming AND	3	
CMM2302 Conversational Editing and Subroutines OR	3	
CMM230 Conversational Programming	(6)	

Core Requirements cont'd	Credit Hours	Semester Taken
CMM2401 Intro to 3D Sequencing & Tool Path Production AND	3	
CMM2402 Advanced 3D Code Sequencing & Macro Systems OR	3	
CMM240 Introduction to 3-D Programming OR	(6) (6)	
CMM244 Advanced Program/Setup Practices		
BRX110 Basic Blueprint Reading for Machinist AND	2	
BRX210 Mechanical Blueprint Reading Or BRX112 Blueprint Reading for Machinist	2 (4)	
Computer Literacy	0-3*	
Subtotal Credits	49-52	
Total Credits	56-59	

***Computer literacy must be demonstrated either by competency exam or by completing a computer literacy course.**

Computerized Manufacturing & Machining Maysville Community & Technical College

Program Coordinator: Kenneth Barnett

Email: Kenneth.barnett@kctcs.edu

Contact Information: 606-783-1538 ext. 66336-Room 210

[Academic Plan Code: 4805033079 ; CIP Code: 48050300

Machinist Diploma-Non selective

General Education & Support Classes	Credit Hours	Semester Taken
Writing/Assessing Information OR Oral Communication OR Humanities OR Heritage	3	
Choose One: MAT116 Technical Mathematics OR MAT126 Technical Algebra and Trigonometry Or Higher	3 (3)	
Subtotal	6	
Electives	1	
Subtotal Credits	7	

Notes:

1. Additional electives can lead to AAS degree in GOTS- -see check sheet.
2. Required minimum ACT or COMPASS scores

	Math	Reading	Writing
ACT			
COMPASS	42	74	49

See COMPASS Placement Scores in Master Advising Quick Guide for placement into developmental courses.

Core Requirements <i>Taken upon program admission</i>	Credit Hours	Semester Taken
CMM110 Fundamentals of Machine Tool A And	3	
CMM112 Fundamentals of Machine Tool B OR	4 (7)	
CMM114 Fundamentals of Machine Tool		
CMM118 Metrology/Control Charts	2	
CMM120 Applied Machining I AND	3	
CMM122 Applied Machining II OR	3	
CMM124 Applied Machining	(6)	
CMM130 Manual Programming Or	3	
CMM134 Manual Programming CAD/CAD/CNC OR	(6)	
CMM138 Intro to Programming & CNC Machines	(6)	
CMM210 Industrial Machining I AND	3	
CMM212 Industrial Machining II OR	3	
CMM214 Industrial Machining	(6)	
CMM220 Advanced Industrial Mach I AND	4	
CMM222 Advanced Industrial Mach II Or	2 (6)	
CMM224 Advanced Industrial Machining		

Core Requirements cont'd	Credit Hours	Semester Taken
BRX110 Basic Blueprint Reading for Machinist AND	2	
BRX210 Mechanical Blueprint Reading Or BRX112 Blueprint Reading for Machinist	2 (4)	
Computer Literacy	0-3*	
Subtotal Credits	34-40	
Total Credits	41-47	

*Computer literacy must be demonstrated either by competency exam or by completing a computer literacy course.

Contact Information: 606-783-1538 Ext: 66336 Office: B210 Email: kenneth.barnett@kctcs.edu

Academic Program Code: 48050300

Exploratory Machining I Certificate: Academic Plan Code: 480503099

Certificate Requirements	Credit Hours	Semester Taken
CMM110 Fundamentals of Machine Tool A AND	3	
CMM112 Fundamentals of Machine Tool B AND	4	
Electives (Technical or Gen Ed) OR	5	
CMM114 Fundamentals of Machine Tool OR	(7)	
Electives (Technical or Gen Ed) OR	5	
CMM130 Manual Programming AND	(3)	
CMM132 CAD/CAM/CNC OR	(3)	
Electives (Technical or Gen Ed) OR	6	
CMM134 Manual Programming/CAD/CAM/CNC OR	(6)	
Electives (Technical or Gen Ed) OR	6	
CMM138 Intro to Programming & CNC Machines OR	(6)	
Electives (Technical or Gen Ed) OR	6	
Total Credits	12	

Machine Tool Operator I Certificate: Academic Plan Code: 4805033109

Certificate Requirements	Credit Hours	Semester Taken
CMM110 Fundamentals of Machine Tool A AND	3	
CMM112 Fundamentals of Machine Tool B OR	4	
CMM114 Fundamentals of Machine Tool	(7)	
CMM130 Manual Programming OR	3	
CMM134 Manual Programming CAD/CAM/CNC	(6)	
CMM138 Intro to Programming & CNC Machines OR	(6)	
BRX110 Basic Blueprint Reading for Machinist OR	2	
	2	
BRX112 Blueprint Reading for Machinist	4	
MAT116 Technical Mathematics	3	
Total Credits	15-20	

Machine Tool Operator II Certificate: Academic Plan Code: 480503119

Certificate Requirements	Credit Hours	Semester Taken
CMM110 Fundamentals of Machine Tool A AND	3	
CMM112 Fundamentals of Machine Tool B OR	4	
CMM114 Fundamentals of Machine Tool	(7)	
CMM118 Metrology/Control Charts	2	
CMM120 Applied Machining I AND	3	
CMM122 Applied Machining II OR	3	
CMM124 Applied Machining	(6)	
CMM130 Manual Programming OR	3	
CMM134 Manual Programming CAD/CAM/CNC	(6)	

CMM138 Intro to Programming & CNC Machines OR	(6)	
BRX110 Basic Blueprint Reading for Machinist	2	
BRX112 Blueprint Reading for Machinist	4	
Computer Literacy	2-3	
MAT116 Technical Mathematics OR	3	
MAT126 Technical Algebra AND Trigonometry or Higher	(3)	
TOTAL Credits	23-31	

Notes:

1. Additional electives can lead to AAS degree in GOTS
2. Required minimum ACT or COMPASS scores
3. See COMPASS Placement Scores in Master Advising Quick Guide for placement into developmental courses.
4. If you change from a certificate to a diploma or a degree program, additional reading and writing requirements must be met.

	ACT	COMPASS
Math:		42
Reading:		74
Writing:		49