

**Computerized Manufacturing and Machining
CNC Machinist
Diploma
4805034069**

Academic Plan Code

4805034069

Contact Information: Sam Arnone				
sam.arnone@kctcs.edu		270-534-3357		
Student Name		Student ID#		
	Course	Hours	Grade	Semester
GENERAL EDUCATION				
Area 1: Written Communication, Oral Communication, Humanities/Heritage		3		
Area 2: Social/Behavioral Sciences, Natural Science or Quantitative Reasoning		3		
General Education Subtotal		6		
TECHNICAL CORE				
Digital Literacy*		0-3		
BRX 110 Basic Blueprint Reading for Machinist AND		2		
BRX 210 Blueprint Reading for Machinist OR		2		
BRX 112 Mechanical Blueprint Reading for Machinist		(4)		
CMM 110 Fundamentals of Machine Tools A AND		3		
CMM 112 Fundamentals of Machine Tools B OR		3		
CMM 114 Fundamentals of Machine Tools		(3)		
CMM 118 Metrology/Control Charts		2		
CMM 120 Applied Machining I AND		3		
CMM 122 Applied Machining II OR		3		
CMM 124 Applied Machining		(6)		
CMM 130 Manual Programming AND		3		
CMM 132 CAD/CAM/CNC OR		3		
CMM 134 Manual Programming/CAD/CAM/CNC OR		(6)		
CMM 138 Intro to Programming & CNC Machines		(6)		
CMM 210 Industrial Machining I AND		3		
CMM 212 Industrial Machining II OR		3		
CMM 214 Industrial Machining		(6)		
CMM 220 Advanced Industrial Machining I AND		4		
CMM 222 Advanced Industrial Machining II OR		2		
CMM 224 Advanced Industrial Machining		(6)		
CMM 2301 Intro to Conversational Programming AND		3		
CMM 2302 Conversational Editing and Subroutines OR		3		
CMM 230 Conversational Programming OR		(6)		
CMM 234 CNC Machines and Coding Practices		(6)		
CMM 2401 Intro to 3-D Code Sequencing and Tool Path Production AND		3		
CMM 2402 Advanced 3-D Code Sequencing and Macro Systems OR		3		
CMM 240 Intro to 3-D Programming OR		(6)		
CMM 244 Advanced Programming/Setup Practices		(6)		
Technical Core Subtotal		48-51		
Electives (Co-op or Practicum)		1		
Elective Subtotal		1		
Total Credits		55-58		

Revised Date: 1/30/2017

KCTCS is an equal opportunity employer and educational institution.

KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

**Computerized Manufacturing and Machining
CNC Machinist
Diploma**

Academic Plan Code 4805034069

First Semester		
Course No.	Course Title	Credit Hours
BRX 110	Basic Blueprint Reading for Machinist AND	2
BRX 210	Mechanical Blueprint Reading for Machinist OR	2
BRX 112	Blueprint Reading for Machinist	(4)
CMM 110	Fundamentals of Machine Tools A AND	3
CMM 112	Fundamentals of Machine Tools B OR	3
CMM 114	Fundamentals of Machine Tools	(6)
CMM 118	Metrology/Control Charts	2
	Subtotal	12
Second Semester		
Course No.	Course Title	Credit Hours
CMM 120	Applied Machining I AND	3
CMM 122	Applied Machining II OR	3
CMM 124	Applied Machining	(6)
CMM 130	Manual Programming AND	3
CMM 132	CAD/CAM/CNC OR	3
CMM 134	Manual Programming/CAD/CAM/CNC OR	(6)
CMM 138	Intro To Programming & CNC Machines	(6)
	Area 2: Social Behavioral Science, Natural Science or Quantitative Reasoning	3
	Digital Literacy*	0-3
	Subtotal	15-18
Third Semester		
Course No.	Course Title	Credit Hours
CMM 210	Industrial Machining I AND	3
CMM 212	Industrial Machining II OR	3
CMM 214	Industrial Machining	(6)
CMM 2301	Intro to Conversational Programming AND	3
CMM 2302	Conversational Editing and Subroutines OR	3
CMM 230	Conversational Programming OR	(6)
CMM 234	CNC Machines and Coding Practices	(6)
	Area 1: Written Communication, Oral Communication, Humanitie/Heritage	3
	Subtotal	15



Computerized Manufacturing and Machining
CNC Machinist
Diploma

Academic Plan Code 4805034069

Fourth Semester

Course No.	Course Title	Credit Hours
CMM 220	Advanced Industrial Machining I AND	4
CMM 222	Advanced Industrial Machining II OR	2
CMM 224	Advanced Industrial Machining	(6)
CMM 2401	Intro to 3-D Sequencing and Tool Path Production AND	3
CMM 2402	Advanced 3-D Sequencing and Macro Systems OR	3
CMM 240	Intro to 3-D Programming OR	(6)
CMM 244	Advanced Programming/Setup Practices	(6)
	Elective	1
	Subtotal	13
	Grand Total	55-58
<p>Program Coordinator Notes: *Digital Literacy must be demonstrated either by competency exam or by completing a digital literacy course. BRX 112 and CMM 118 are only offered during the fall semesters. Students enrolled in the Computerized Manufacturing and Machining program must achieve a minimum grade of "C" in each BRX, CMM, and IE Core. It is the ultimate responsibility of the student to stay current with the curriculum requirements.</p>		