

**Computerized Manufacturing and Machining  
CNC Operator  
Certificate**

**Academic Plan Code** 4805033129

<b>Contact Information:</b> Sam Arnone			
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Student Name		Student ID#	
Course	Hours	Grade	Semester
BRX 110 Basic Blueprint Reading for Machinist OR	2		
BRX 112 Blueprint Reading for Machinist	(4)		
Digital Literacy*	0-3		
MAT 116 Technical Mathematics OR	3		
MAT 126 Technical Algebra and Trigonometry or Higher	(3)		
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		
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 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)		
Total Credits	25-30		

Revised Date: 1/30/2017

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KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

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**First Semester**

Course No.	Course Title	Credit Hours
BRX 110	Basic Blueprint Reading for Machinist OR	2
BRX 112	Blueprint Reading for Machinist	(4)
MAT 116	Technical Mathematics OR	3
MAT 126	Technical Algebra and Trigonometry or higher	(3)
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	13-15

**Second Semester**

Course No.	Course Title	Credit Hours
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 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)
	Digital Literacy*	0-3
	Subtotal	12-15
	Grand Total	25-30

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 semester. 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.