

Computerized Manufacturing and Machining

Machinist

Diploma

Academic Plan Code

4805034079

Contact Information: Sam Arnone				
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Student Name		Student ID#		
	Course	Hours	Grade	Semester
GENERAL EDUCATION				
Area 1: Written Communication, Oral Communication, Humanities/ Heritage		3		
Area 2: Social/Behavioral Science, Natural Science or Quantitative Reasoning		3		
General Education Subtotal		6		
TECHNICAL CORE				
Digital Literacy		0-3		
BRX 110 Basic Blueprint Reading for Machinist AND BRX 210 Blueprint Reading for Machinist OR BRX 112 Mechanical Blueprint Reading for Machinist		2 2 (3)		
CMM 110 Fundamentals of Machine Tools A AND CMM 112 Fundamentals of Machine Tools B OR CMM 114 Fundamentals of Machine Tools		3 3 (6)		
CMM 118 Metrology/Control Charts		2		
CMM 120 Applied Machining I AND CMM 122 Applied Machining II OR CMM 124 Applied Machining		3 3 (6)		
CMM 130 Manual Programming AND CMM 132 CAD/CAM/CNC OR CMM 134 Manual Programming/CAD/CAM/CNC OR CMM 138 Intro to Programming & CNC Machines		3 3 (6) (6)		
CMM210 Industrial Machining I AND CMM 212 Industrial Machining II OR CMM 214 Industrial Machining		3 3 (6)		
CMM 220 Advanced Industrial Machining I AND CMM 222 Advanced Industrial Machining II OR CMM 224 Advanced Industrial Machining		4 2 (6)		
Technical Core Subtotal		36-39		
Electives (Co-op or Practicum)		1		
Elective Subtotal		1		
Total Credits		43-46		
Program Coordinator Notes: *Digital Literacy must be demonstrated by competency exam or by completing a digital literacy course.				

Revised Date: 1/30/2017

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KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

Computerized Manufacturing and Machining**Machinist****Diploma****Academic Plan Code****4805034079****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 1: Written Communication, Oral Communication, Humanities/Heritage	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 220	Advanced Industrial Machining I AND	4
CMM 222	Advanced Industrial Machining II OR	2
CMM 224	Advanced Industrial Machining	(6)
	Area 2: Social/Behavioral Science, Natural Science or Quantitative Reasoning	3
	Electives (General Education or Technical)	1
	Subtotal	16
	Grand Total	43-46

Program Coordinator Notes: *Digital Literacy must be demonstrated either by competency exam or by completing a digital literacy course. BRX 112 and CMM118 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.