

CNC MACHINIST - DIPLOMA

Offered at: Ashland Community and Technical College, Bluegrass Community and Technical College, Elizabethtown Community and Technical College, Gateway Community and Technical College, Hopkinsville Community College, Jefferson Community and Technical College, Maysville Community and Technical College, Owensboro Community and Technical College, Somerset Community College, Southcentral Kentucky Community and Technical College, Southeast Kentucky Community and Technical College, West Kentucky Community and Technical College

Program Plan Number: 4805034069

Course	Title	Credits
General Education		
<i>Area 1</i>		
Select one of the following three options:		3
Written Communication		
Oral Communications		
Heritage/Humanities		
<i>Area 2</i>		
Select one of the following three options:		3
Social/Behavior Science		
Natural Science		
Quantitative Reasoning		
Subtotal		6
Electives (Co-op or Practicum)		1
Subtotal		1
Technical		
Digital Literacy Course or demonstrated competency ¹		0-3
Select one of the following two options:		6
CMM 110 Fundamentals of Machine Tools - A & CMM 112 and Fundamentals of Machine Tools - B		
CMM 114 Fundamentals of Machine Tools		
CMM 118 Metrology/Control Charts		2
Select one of the following two options:		6
CMM 120 Applied Machining I & CMM 122 and Applied Machining II		
CMM 124 Applied Machining		
Select one of the following three options:		6
CMM 130 Manual Programming & CMM 132 and CAD/CAM/CNC		
CMM 134 Manual Programming CAD/CAM/CNC		
CMM 138 Intro. to Programming & CNC Machines		
Select one of the following two options:		6
CMM 210 Industrial Machining I & CMM 212 and Industrial Machining II		
CMM 214 Industrial Machining		
Select one of the following two options:		6
CMM 220 Advanced Industrial Machining I & CMM 222 and Advanced Industrial Machining II		
CMM 224 Advanced Industrial Machining		
Select one of the following three options:		6

CMM 2301 & CMM 2302	Introduction to Conversational Programming and Conversational Editing and Subroutines	
CMM 230	Conversational Programming	
CMM 234	CNC Machines & Coding Practices	
Select one of the following three options:		6
CMM 2401 & CMM 2402	Introduction to 3D Code Sequencing and Tool Path Production and Advanced 3D Code Sequencing and Macro Systems	
CMM 240	Introduction to 3-D Programming	
CMM 244	Advance Programming/Setup Practices	
Select one of the following two options:		4
BRX 110 & BRX 210	Basic Blueprint Reading for Machinist and Mechanical Blueprint Reading	
BRX 112	Blueprint Reading for Machinist	
Subtotal		48-51
Total Credits		55-58

¹ Digital Literacy course - 3 credit hours or Demonstrated Competency - 0 credit hours