

# 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:** 4805034079

Course	Title	Credits
<b>General Education</b>		
<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
<b>Technical</b>		
Digital Literacy Course or demonstrated competency <sup>1</sup>		0-3
Select one of the following three options:		6
CMM 110 & CMM 112	Fundamentals of Machine Tools - A 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 & CMM 122	Applied Machining I and Applied Machining II	
CMM 124	Applied Machining	
Select one of the following three options:		6
CMM 130 & CMM 132	Manual Programming 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 & CMM 212	Industrial Machining I and Industrial Machining II	
CMM 214	Industrial Machining	
Select one of the following two options:		6
CMM 220 & CMM 222	Advanced Industrial Machining I and Advanced Industrial Machining II	
CMM 224	Advanced Industrial Machining	
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		36-39
<b>Total Credits</b>		<b>43-46</b>

<sup>1</sup> Digital literacy must be demonstrated either by competency exam or by completing a digital literacy course.