



# Computerized Manufacturing and Machining (4805037019)

Associate in Applied Science

Program Coordinator: Danny Roberts

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Program Website: <https://bluegrass.kctcs.edu/education-training/program-finder/computerized-manufacturing-machining.aspx>

Student Name:

Student ID:

*Students need to be at KCTCS placement levels for all courses*

First Semester FALL	Credits	Term	Grade	Prereqs/Notes
CMM 114 Fundamentals of Machine Tools	6			<b>New students must start CMM classes in Fall Semester</b>
CMM 118 Metrology/Control Charts	2			
BRX 112 Blueprint Reading for Machinist	4			
MAT 116 Technical Mathematics	3			OR any higher math will substitute
Digital Literacy (taken or demonstrated)	0-3			
<b>Total Semester Credit Hours</b>	<b>18</b>			

Second Semester SPRING	Credits	Term	Grade	Prereqs/Notes
CMM 124 Applied Machining	6			
CMM 134 Manual Programming CAD/CAM/CNC <b>OR</b>				
CMM 138 Intro to Programming and CNC Machines	6			
General Education	3			
<b>Total Semester Credit Hours</b>	<b>15</b>			

Third Semester FALL	Credits	Term	Grade	Prereqs/Notes
CMM 214 Industrial Machining	6			
CMM 230 Conversational Programming <b>OR</b>				
CMM 234 CNC Machines and Coding Practices	6			
Required Elective (choice taken 3 <sup>rd</sup> or 4 <sup>th</sup> semester)	1			
General Education	3			
<b>Total Semester Credit Hours</b>	<b>15-16</b>			

Fourth Semester SPRING	Credits	Term	Grade	Prereqs/Notes
CMM 224 Advanced Industrial Machining	6			
CMM 240 Intro to 3-D Programming <b>OR</b>				
CMM 244 Advanced Programming/Setup Practices	6			
Required Elective (choice taken 3 <sup>rd</sup> or 4 <sup>th</sup> semester)	1			
General Education	6			
<b>Total Semester Credit Hours</b>	<b>18-19</b>			
<b>Total Credential Hours</b>	<b>64-68</b>			

**Note: 25% of Total Program Credit Hours must be earned at Bluegrass Community and Technical College.**

Advisor Name:

Advisor Signature: \_\_\_\_\_

Student Name:

Student Signature: \_\_\_\_\_

**Special Instructions:**

General Education Classes Required: (Summer classes may be taken to complete)  
ENG 101  
Natural Science  
Social/Behavioral Science  
Heritage/Humanities  
Digital Literacy (taken or demonstrated)

**Course Rotation Schedule (if applicable)**

Fall Only	CMM 114, CMM 118, BRX 112, MAT 116, CMM 214, CMM 230, CMM 234
Spring Only	CMM 124, CMM 134, CMM 138, CMM 224, CMM 240, CMM 244

**Approved Electives (if applicable)**

CMM 298 Practicum	1 Credit
CMM 299 CO-OP	1 Credit
	Choice of CMM 298 or CMM 299 one must be taken for graduation