



## Computerized Manufacturing and Machining – CNC Machinist Diploma

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 must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.*

**New students must start CMM classes in the Fall semester.**

First Semester	Credit Hours	Term	Grade	Prerequisites	Notes
CMM 114 Fundamentals of Machine Tools	6				Fall only
CMM 118 Metrology/Control Charts	2				Fall only
BRX 112 Blueprint Reading for Machinist	4				Fall only
<b>Total Semester Credit Hours</b>	<b>12</b>				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CMM 124 Applied Machining	6			CMM 114	Spring only
CMM 134 Manual Programming CAD/CAM/CNC OR CMM 138 Introduction to Programming and CNC Machines	6			CMM 114	Spring only
Written Communication, Oral Communication, OR Heritage/Humanities course	3				
<b>Total Semester Credit Hours</b>	<b>15</b>				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CMM 214 Industrial Machining	6			CMM 124	Fall only
CMM 234 CNC Machines and Coding Practices	6			CMM 134 or CMM 138	Fall only
Social/Behavioral Sciences, Natural Sciences, OR Quantitative Reasoning course	3				
Digital Literacy	0 – 3				Digital literacy course or competency exam
<b>Total Semester Credit Hours</b>	<b>15 – 18</b>				

Fourth Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CMM 224 Advanced Industrial Machining	6			CMM 134 and CMM 214	Spring only
CMM 244 Advanced Programming/Setup Practices	6			CMM 134 and CMM 214	Spring only
CMM 298 Practicum OR CMM 299 Cooperative Education	1				
<b>Total Semester Credit Hours</b>	<b>13</b>				
<b>Total Diploma Credit Hours</b>	<b>55 – 58</b>				

- Graduation Requirements:
- 25% or more of Total Diploma Credit Hours must be earned at BCTC
  - Cumulative GPA must be 2.0 or higher

Advisor Name \_\_\_\_\_

Advisor Contact \_\_\_\_\_

**Additional Information**

New students must start CMM classes in the Fall semester.

Students must earn a grade of C or better in each CMM and BRX course.

**Embedded Credentials**

Credential	Title	Requirements	Total Credit Hours
Certificate	Exploratory Machining I	CMM 114, 5 hours of electives	11

- Certificate Requirements:**
- 25% or more of Total Certificate Credit Hours must be earned at BCTC
  - Grade of C or higher in each course required for certificate