



Computerized Manufacturing and Machining – Machinist Diploma

Program Coordinator: Danny Roberts

E-mail: danny.roberts@kctcs.edu

Phone: 859-246-6773

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
Total Semester Credit Hours	12				

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				
Total Semester Credit Hours	15				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CMM 214 Industrial Machining	6			CMM 124	Fall only
Social/Behavioral Sciences, Natural Sciences, OR Quantitative Reasoning course	3				
Digital Literacy	0 – 3				Digital literacy course or competency exam
Total Semester Credit Hours	9 – 12				

Fourth Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CMM 224 Advanced Industrial Machining	6			CMM 134 and CMM 214	Spring only
CMM 298 Practicum OR CMM 299 Cooperative Education	1				
Total Semester Credit Hours	7				
Total Diploma Credit Hours	43 – 46				

- 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**