



Computerized Manufacturing and Machining – Tool & Die Apprentice Certificate

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 150 Shop Theory OR CMM 110 Fundamentals of Machine Tools A	2 (3)				
CMM 118 Metrology/Control Charts	2				
BRX 110 Basic Blueprint Reading for Machinist	2				
CMM 132 CAD/CAM/CNC	3				
MAT 116 Technical Mathematics	3				
Total Semester Credit Hours	12 - 13				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CMM 151 Machinery's Handbook/Metallurgy OR CMM 112 Fundamentals of Machine Tools B	3 (4)				
BRX 210 Mechanical Blueprint Reading	2				
CMM 153 Mold Theory	3				
CMM 154 Die Theory	3				
WLD 151 Basic Welding A OR Digital Literacy* OR IEX 295 Special Problems III	2 (0 – 3) (3)				*Digital literacy course or competency exam
Total Semester Credit Hours	11 - 15				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CMM 152 Jigs, Fixtures and Gaging OR CMM 120 Applied Machining I	3 (3)				
CMM 130 Manual Programming	3				
Total Semester Credit Hours	6				
Total Certificate Credit Hours	29 – 34				

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

Advisor Name _____

Advisor Contact _____