

Computerized Manufacturing and Machining Machinist Diploma



Name	Empl. ID	Date Entered	Date Grad

GENERAL EDUCATION REQUIREMENTS	Credit	Res	Tr	Notes
Writing/Accessing Information, Oral Communication, OR Humanities/Heritage	3			
MAT 116 Technical Mathematics OR higher-level quantitative reasoning course	3			
GENERAL EDUCATION SUBTOTAL:	6			

ELECTIVE	Credit	Res	Tr	Notes
CMM 298 Practicum OR CMM 298 Cooperative Education Program	1			
SUBTOTAL	1			

Digital Literacy course or bypass exam required for KCTCS degree or diploma

CORE COURSES	Credit	Res	Tr	Notes
CMM 114 Fundamentals of Machine Tools OR (CMM 110 Fundamentals of Machine Tools A AND CMM 112 Fundamentals of Machine Tools B)	6			Recommended first semester; may take CMM 110 and CMM 112 concurrently
CMM 118 Metrology/Control Charts	2			Recommended first semester
CMM 124 Applied Machining	6			Prereq: CMM 114 with grade of C or better or instructor consent
CMM 134 Manual Programming/CAD/CAM/CNC OR CMM 138 Intro to Programming and CNC Machines OR (CMM 130 Manual Programming AND CMM 132 CAD/CAM/CNC)	6			Prereq: CMM 114 (or CMM 110 and CMM 112) with grade of C or better or instructor consent
CMM 214 Industrial Machining	6			Prereq: CMM 124 with grade of C or better or instructor consent
CMM 230 Conversational Programming	6			Prereq: instructor consent
CMM 224 Advanced Industrial Machining	6			Prereq: CMM 134 (or CMM 130 and 132) with grade of C or better or instructor consent
(BRX 110 Basic Blueprint Reading for Machinist AND BRX 210 Mechanical Blueprint Reading) OR BRX 112 Blueprint Reading for Machinist	4			Recommended first semester
CORE COURSES SUBTOTAL	34-40			
DIPLOMA TOTAL	41-47			

Students enrolled in the Computerized Manufacturing and Machining program must achieve a minimum grade of “C” in each technical course.

For a list of KCTCS general education classes in each category, go to

<https://kctcs.edu/education-training/course-catalog/2019-2020-KCTCS-Catalog.pdf> pp. 77-80.

Or KCTCS homepage (www.kctcs.edu)> education & training> course catalog> 2019-20 catalog> pp. 77-80.

June 2019