

# Computerized Manufacturing and Machining CNC Machinist Diploma



Name	Empl. ID	Date Entered	Date Grad

GENERAL EDUCATION REQUIREMENTS	Credit	Res	Tr	Notes
Written Communication, Oral Communication, <b>OR</b> Humanities/Heritage	3			
MAT 116 Technical Mathematics <b>OR</b> MAT 126 Technical Algebra and Trig or higher	3			
<b>GENERAL EDUCATION SUBTOTAL:</b>	<b>6</b>			

ELECTIVE	Credit	Res	Tr	Notes
CMM 298 Practicum <b>OR</b> CMM 298 Cooperative Education Program	1			
<b>SUBTOTAL:</b>	<b>1</b>			

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

CORE COURSES	Credit	Res	Tr	Notes
CMM 114 Fundamentals of Machine Tools <b>OR</b> (CMM 110 Fundamentals of Machine Tools A <b>AND</b> CMM 112 Fundamentals of Machine Tools B)	6			<b>Recommended first semester; may take CMM 110 and 112 concurrently</b>
CMM 118 Metrology/Control Charts	2			<b>Recommended first semester</b>
CMM 124 Applied Machining	6			Prereq: CMM 114 with grade of C or better or instructor consent
CMM 134 Manual Programming/CAD/CAM/CNC <b>OR</b> (CMM 130 Manual Programming <b>AND</b> CMM 132 CAD/CAM/CNC)	3-6			Prereq: CMM 114 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
CMM 240 Intro to 3-D Programming	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 <b>AND</b> BRX 210 Mechanical Blueprint Reading) <b>OR</b> BRX 112 Blueprint Reading for Machinist	4			<b>Recommended first semester</b>
<b>CORE COURSES SUBTOTAL</b>	<b>48-51</b>			
<b>DIPLOMA TOTAL</b>	<b>55-58</b>			

Progression in the program is contingent upon achieving a grade of “C” or better in each technical and mathematics course and maintenance of a 2.0 cumulative grade point average or better (on a 4.0 scale).

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](http://www.kctcs.edu))> education & training> course catalog> 2019-20 catalog> pp. 77-80.