

Computerized Manufacturing and Machining Associate in Applied Science



Name	Empl. ID	Date Entered	Date Grad

DEVELOPMENTAL COURSES AS NEEDED	Credit	Res	Tr	Notes
RDG 20/RDG 100	3-6			
ENC 90/ENG 100	2-5			
MAT 55/61	3-4			

GENERAL EDUCATION COURSES	Credit	Res	Tr	Notes
ENG 101 Writing I	3			
MAT 116 Technical Mathematics <i>OR</i> MAT 126 Technical Algebra & Trigonometry <i>OR</i> Higher-Level Quantitative Reasoning course	3			
Heritage/Humanities	3			
Natural Science	3			
Social and Behavioral Sciences	3			
GENERAL EDUCATION SUBTOTAL	15			

TECHNICAL COURSES	Credit	Res	Tr	Notes
Digital Literacy	0-3			Or digital literacy exam; required for KCTCS degree
(BRX 110 Basic Blueprint Reading for Machinist <i>AND</i> BRX 210 Mechanical Blueprint Reading) <i>OR</i> BRX 112 Blueprint Reading for Machinist	2-4			Recommended first semester Prereq: BRX 110 with grade of C or better or instructor consent
CMM 114 Fundamentals of Machine Tools <i>OR</i> (CMM 110 Fundamentals of Machine Tools A <i>AND</i> CMM 112 Fundamentals of Machine Tools B)	6			Recommended first semester
CMM 118 Metrology/Control Charts	2			Recommended first semester
(CMM 120 Applied Machining I <i>AND</i> CMM 122 Applied Machining II) <i>OR</i> CMM 124 Applied Machining	6			Prereq: CMM 114 with grade of C or better or instructor consent
CMM 134 Manual Programming/CAD/CAM/CNC <i>OR</i> (CMM 130 Manual Programming <i>AND</i> CMM 132 CAD/CAM/CNC)	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
CMM 298 Practicum <i>OR</i> CMM 298 Cooperative Education Program	1			
TECHNICAL COURSES SUBTOTAL	48-51			
DEGREE TOTAL	64-67			

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 \(www.kctcs.edu\)](http://www.kctcs.edu)> education & training> course catalog> 2019-2020 KCTCS Catalog> pp. 77-80.

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