

# Gateway **S.M.A.R.T.** Plan

## Associate in Applied Science: Computerized Manufacturing and Machining

I do understand that there may be course changes with future curriculum revisions that may affect a change in course requirements listed on this sheet.

### Pre-requisite Courses

None			
Courses	Cr	Grade	Offered
BRX 110 Basic Blueprint Reading (first eight weeks)	2		Fall/Spring
BRX 210 Mechanical Blueprint Reading (second eight weeks)	2		Fall/Spring
CMM 110 Fundamentals of Machine Tools - A (first eight weeks)	3		Fall/Spring
CMM 112 Fundamentals of Machine Tools - B (second eight weeks)	3		Fall/Spring
CMM 118 Metrology/Control Charts	2		Fall/Spring
<i>MAT 110 Applied Mathematics (or MAT 116 or MAT 126 or higher level mathematics)</i>	3		All

Courses	Cr	Grade	Offered
CMM 124 Applied Machining	6		Spring/Summer
CMM 130 Manual Programming (first eight weeks)	3		Spring/Summer
CMM 132 CAD/CAM/CNC Programming (second eight weeks)	3		Spring/Summer
<i>Computer/Digital Literacy Course (CIT 105 / OST 105) or Competency demonstrated by exam</i>	0-3		All
<i>ENG 101 Writing I</i>	3		All

Courses	Cr	Grade	Offered
CMM 214 Industrial Machining	6		Fall
CMM 230 Conversational Programming	6		Fall
<i>Heritage or Humanities General Education course</i>	3		All
<i>Natural Science General Education course (rec. BIO 120)</i>	3		All

Courses	Cr	Grade	Offered
CMM 224 Advanced Industrial Machining	6		Spring
CMM 240 Introduction to 3-D Programming	6		Spring
Elective (Co-op or Practicum)	1		Fall/Spring
<i>Social/Behavioral Science General Education course (rec. SOC 101)</i>	3		All

### Note

Progression in the Computerized Manufacturing & Machining program is contingent upon achievement of a grade of C or better in each technical course, and maintenance of a 2.0 cumulative grade point average or above (on a 4.0 scale)

Updated 10/15/18



KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM