

# 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.

### Recommended Semester 1

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
MAT 116 Technical Mathematics (or higher level Quantitative Reasoning course)	3		Fall/Spring

### Recommended Semester 2

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
Digital Literacy - CIT 105 Introduction to Computers <b>or</b> OST 105 Introduction to Office Systems (or Competency demonstrated by exam)	3		All
ENG 101 Writing I	3		All

### Recommended Semester 3

Courses	Cr	Grade	Offered
CMM 214 Industrial Machining	6		Fall/Spring
CMM 230 Conversational Programming	6		Fall/Spring
Heritage or Humanities General Education course	3		All
Natural Science General Education course	3		All

### Recommended Semester 4

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		All
Social/Behavioral Science General Education course	3		All

### Notes

- Progression in the program is contingent upon achievement of a grade of C or greater in each technical course, (including those selected as technical electives), and maintenance of a 2.0 cumulative GPA or above (on a 4.0 scale).
- At least 25 percent of the approved curriculum for any certificate, diploma or degree must be completed at the student's home college.

Updated 4/2/20



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