

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

## Diploma: Machinist

Note 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
Digital Literacy - CIT 105 Introduction to Computers <b>or</b> OST 105 Introduction to Office Systems (or Competency demonstrated by exam)	0-3		All

### Recommended Semester 2

Courses	Cr	Grade	Offered
CMM 124 Applied Machining	6		
CMM 130 Manual Programming (first eight weeks)	3		
CMM 132 CAD/CAM/CNC	3		
General Education Area 2 – Social/Behavioral or Natural Science <b>or</b> Quantitative Reasoning	3		

### Recommended Semester 3

Courses	Cr	Grade	Offered
CMM 214 Industrial Machining	6		
CMM 224 Advanced Industrial Machining	6		
Elective (Co-op or Practicum)	1		
General Education Area 1 – Written or Oral Communication <b>or</b> Heritage/Humanities	3		

### Notes

- Progression in the program is contingent upon achievement of a grade of C or greater in each technical course 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 4/21/20



**GATEWAY**  
COMMUNITY  
& TECHNICAL COLLEGE