

# CNC Machining Technology Diploma Courses

<b>Award</b>	Diploma
<b>Credits</b>	47
<b>Program Start</b>	Fall
<b>Time to Complete</b>	1 year

## 2024–2025 Suggested Sequence of Study

The following suggested sequence of study is for new full-time students starting the program Fall 2024. Part-time students should visit with a program advisor for a modified sequence of study.

**When registering for classes refer to Self-Service > Student Planning to view your specific program requirements, your progress, and ensure proper registration.**

Courses are subject to change.

◆	General education course.
▣	Non-transfer general education course.
▶	Course has a prerequisite and/or corequisite.
○	Course meets 100% online.
E	Course meets face-to-face after 5:00pm.
<b>8WK1</b>	Course meets the first 8 weeks of the term.
<b>8WK2</b>	Course meets the second 8 weeks of the term.

<b>Term 1</b>			
MFG-157	Introduction to CNC Programming I	8WK1	2
MFG-158	Introduction to CNC Programming II ▶	8WK2	2
MAT-772	Applied Math OR		3
	Math Elective		3
MFG-122	Machine Trade Printreading I		3
MFG-211	Basic Machine Theory		2
MFG-222	Machine Operations I ▶		4
MFG-302	CNC Fundamentals		3
<b>Total Credits</b>			<b>19</b>

## Term 2

COM-781 Written Communication in the Workplace ▶ OR	O E 3 ◆
ENG-105 Composition I ▶	O E 3 ◆
MFG-142 Geometric Dimensioning Tolerancing ▶	3
MFG-214 Advanced Machine Theory	2
MFG-228 Machine Operations II	4
MFG-309 CNC Programming Theory II ▶	4
MFG-335 CNC Operations ▶	3
<b>Total Credits 19</b>	

## Term 3 — Summer

MFG-320 Computer Aided Machining	3
MFG-364 Hydraulic Jigs and Fixtures ▶	4
MFG-380 EDM Fundamentals	2
<b>Total Credits 9</b>	

## Math Electives

MAT-110 Math for Liberal Arts ▶	3
MAT-121 College Algebra ▶	4
MAT-128 Precalculus ▶	4
MAT-134 Trigonometry and Analytic Geometry ▶	3
MAT-156 Statistics ▶	3
MAT-210 Calculus I ▶	4
MAT-216 Calculus II ▶	4
MAT-219 Calculus III ▶	4