CNC Machining Technology Diploma Courses

Award	Diploma
Credits	47
Program Start	Fall
Time to Complete	1 year

2022–2023 Suggested Sequence of Study

≫ **The following suggested sequence of study is for new full-time students starting the program Fall 2022**. 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.
O	Course meets 100% online.
E	Course meets face-to-face after 5:00pm.
8WK1	Course meets the first 8 weeks of the term.
8WK2	Course meets the second 8 weeks of the term.

Term 1			
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
		Total Credits	**19**

Term 2

Course	Title		Credits	
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	
		Total Credits 19		

Term 3 — Summer

Course	Title	Credits
MFG-320	Computer Aided Machining	3
MFG-364	Hydraulic Jigs and Fixtures ▶	4
MFG-380	EDM Fundamentals	2
		Total Credits 9

Math Electives

Course	Title	Credits
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