

# CNC Machine Set-Up Specialist Certificate Courses

<b>Award</b>	Certificate
<b>Credits</b>	38
<b>Program Start</b>	Fall
<b>Time to Complete</b>	9 months

## 2023–2024 Suggested Sequence of Study

 **The following suggested sequence of study is for new full-time students starting the program Fall 2023.** 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.

<input type="checkbox"/> ◆	General education course.
<input type="checkbox"/> □	Non-transfer general education course.
<input type="checkbox"/> ▶	Course has a prerequisite and/or corequisite.
<input type="checkbox"/> O	Course meets 100% online.
<input type="checkbox"/> 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- 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

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>	

## 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