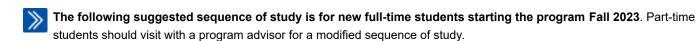
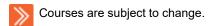
## CNC Machining and Tool-Making Technology AAS Degree Courses

Award	Associate of Applied Science (AAS)	
Credits	80	
Program Start	Fall	
Time to Complete	2 years	

## 2023–2024 Suggested 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.



•	General education course.
	Non-transfer general education course.
<b>&gt;</b>	Course has a prerequisite and/or corequisite.
0	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.

2
2
3
3
3
2
4
3

**Total Credits 19** 

Term 2				
COM-781	Written Communication in the Workplace ▶ -OR-	0 E	3	•
ENG-105	Composition I ▶	0 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			
MFG-320	Computer Aided Machining		3	
MFG-364	Hydraulic Jigs and Fixtures ▶		4	
MFG-380	EDM Fundamentals		2	
		Total Credi	ts 9	
Term 4				
MFG-408	Basic Diemaking ▶		8	
MFG-410	CAD Die Design		3	
SPC-101	Fundamentals of Oral Communication		3	
WEL-402	Tool Steel Welding and Heat Treatment		2	
		Total Credit	s 16	
Term 5				
MFG-107	Introduction to 3D Modeling		3	
MFG-431	Die Revision and Repair ▶		5	
MFG-452	Moldmaking ►		3	
MFG-525	CMM Inspection and SPC ▶		3	
PSY-102	Human and Work Relations -OR-	ΟE	3	•
PSY-111	Introduction to Psychology -OR-	ΟE	3	•
SOC-110	Introduction to Sociology	0	3	•

**Total Credits 17** 

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