



Academic & Career **PATHWAYS**

Associate of Applied Science (A.A.S.)

Computer Integrated Machining and Manufacturing (CIMM)

Mold Making Part-Time Advising Guide

This program, designed by MCC's Precision Machining Consortium industry partners, prepares a student for a career in building and maintaining molds. Molds form the parts used in everyday articles such as cell phones, cars, pacemakers, televisions, and many more. We are certified by the National Institute for Metalworking Skills (NIMS).

	Course	Degree Requirements Met	Credits	Action Steps
Semester 1				
<input type="checkbox"/>	CIMM 100_Fundamentals of Speech	Program Requirement	3	▪ Meet with Academic Advisor to set up academic plan
<input type="checkbox"/>	CIMM 105_Machine Trades Print Reading	Program Requirement	2	
<input type="checkbox"/>	CIMM 115_Manual Mill	Program Requirement	3	
Total Semester Credits			8	
Semester 2				
<input type="checkbox"/>	CIMM 122_CNC Mill Operation Fundamentals	Program Requirement	4	▪ Meet with Academic Advisor to check-in on progress ▪ Meet with Career
<input type="checkbox"/>	CIMM 104_Metrology	Program Requirement	2	
<input type="checkbox"/>	EHSS 111_Introduction to Health and Safety for General Industry	Program Requirement	1	
Total Semester Credits			7	
Semester 3				
<input type="checkbox"/>	CIMM 106_Geometric Dimensioning and Tolerancing	Program Requirement	2	▪ Meet with Academic Advisor to check-in on progress
<input type="checkbox"/>	CIMM 110_Manual Lathe Operation	Program Requirement	3	
<input type="checkbox"/>	MATH 103, MATH 120, or MATH 150	General Education Requirement	3	
Total Semester Credits			8	
Semester 4				
<input type="checkbox"/>	CIMM 121_CNC Lathe Operation Fundamentals	(Program Requirement)	4	▪ Meet with Student Success Advisor ▪ Complete Civics Exam with 70% or higher
<input type="checkbox"/>	ENGL 101_Composition & Reading I	(General Education Requirement)	3	
Total Semester Credits			7	
Semester 5				
<input type="checkbox"/>	CIMM 225_MasterCAM I	(Program Requirement)	3	▪ Meet with Academic Advisor to check-in on progress
<input type="checkbox"/>	COMM 100_Fundamentals of Speech	(General Education Requirement)	3	
<input type="checkbox"/>	CIMM 154_Cutter Grinding or CIMM 155_Grinding Operations	(Program Requirement)	2- 3	



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Total Semester Credits			8 - 9	
Semester 6				
<input type="checkbox"/>	ENGL 215_Technical Writing	General Education Requirement	3	<ul style="list-style-type: none"> Meet with Academic Advisor to check-in on progress Research/ contact four-year universities if planning to transfer.
<input type="checkbox"/>	CIMM 141_EDM Technologies	Program Requirement)	4	
<input type="checkbox"/>	CIMM 231-238	Program Requirement-Choose 1 Course	1	
Total Semester Credits				
Semester 7				
<input type="checkbox"/>	CIMM 201_Metallurgy	Program Requirement	3	<ul style="list-style-type: none"> Meet with Student Success Advisor Apply for Graduation
<input type="checkbox"/>	CIMM 226_Mastercam II	Program Requirement	3	
<input type="checkbox"/>	HIST 120, HIST 121 or POLS 136	General Education Requirement/Civics	3	
Total Semester Credits			9	
Semester 8				
<input type="checkbox"/>	CIMM 265_Mold Making	Program Requirement	5	<ul style="list-style-type: none"> Meet with Student Success Advisor Center
<input type="checkbox"/>	MATH 104, or MATH 150	General Education Requirement	3-5*	
Total Semester Credits			8-10*	
Credits Required for A.A.S. Degree			63*	
<i>*The A.A.S. in Computer Integrated Machining and Manufacturing (CIMM) Mold Making requires a minimum of 63 total credits to graduate. When selecting a course from multiple options, please consider the number of credits for each course to ensure meeting the minimum requirements for graduation.</i>				

This Pathway Map is an advising tool designed for part-time students and identifies the course recommendations for timely degree completion. All pathway maps can be modified to fit the individual needs of students. All students are encouraged to meet with their success advisor to develop an individualized completion plan that best meets their goals, interests, and objectives. Degree requirements and prerequisite information can be found here: [CIMM – Tool Making Emphasis](#)

Please note:

Courses may require a prerequisite or appropriate placement, see the [Academic Catalog](#) for additional information.