Academic Pathways Map
CNC Machining
A.A.S.
Industry and Trades

Start Here

SEMESTER 1		CREDITS	MILESTONE	✓
M111	Technical Mathematics	3		
MCH130	Machine Shop	3	*	
MCH132	Introduction to Engine Lathes	5	*	
MCH134	Introduction to Mills	5	*	
MCH240	Metallurgy	2		
	TOTAL CREDITS	18		

SEMESTER 2		CREDITS	MILESTONE	✓
COMX106	Communicating in a Dynamic Workplace	3		
MCH136	Advanced Lathes	5		
MCH137	Advanced Mills	5		
MCH139	Grinding Applications	2		
MCH245	Shop Practices	2		
DDSN132	Mastercam Solids	2		
	TOTAL CREDITS	19		

SEMESTER 3		CREDITS	MILESTONE	✓
MCH230	Tooling and Fixtures In CNC	2	*	
MCH231	CNC Turning Operations Level 1	4	*	
MCH232	CNC Turning Programming Operations 2	3		
MCH234	CNC Milling Operations Level 1	4	*	
MCH235	CNC Milling Programming Operations 2	3		
	TOTAL CREDITS	16		

SEMESTER 4		CREDITS	MILESTONE	✓
MCH233	CNC Turning Programing Operations 3	3		
MCH236	CNC Milling Programming Operations 3	3		
MCH237	CAD/CAM CNC Turning Center	5		
MCH238	CAD/CAM CNC Machining Center	5		
	TOTAL CREDITS	16		

You are finished!

Pathway Advising Notes: -Classes must be taken in the order outlined on this pathway map, beginning in the fall semester. This includes M111 and COMX106.

-Program requires full-time enrollment (unless granted permission by the instructor).

Academic Year 2024 - 2025

-In order to advance, all previous semester classes must be passed with a C- or better.

Course Advising Notes: M111: This is the math class recommended for students in skilled trades programs, but other higher math classes may be substituted. Your advisor can help determine placement.