

Academic Pathway

CNC Machining

Associate of Applied Science

Academic & Career Pathway: Industry and Trades

Student:

Advisor:

Course/Semester (Prefix, Number and Title)	Credits	Fall/Spring Only	Milestone Course	Notes	Completed
Semester 1					
M111T Technical Mathematics	3	Fall Only			
MCH 130 Machine Shop	3	Fall Only			
MCH 132 Introduction to Engine Lathes	5	Fall Only			
MCH 134 Introduction to Mills	5	Fall Only			
MCH 240 Metallurgy	2	Fall Only			
Semester 2					
MCH 136 Advanced Lathes	5	Spring Only		Prerequisite: MCH 130, MCH132, and MCH134	
MCH 137 Advanced Mills	5	Spring Only		Prerequisite: MCH 130, MCH132, and MCH134	
MCH 139 Grinding	2	Spring Only		Prerequisite: MCH 130, MCH132, and MCH134	
MCH 245 Shop Practices	2	Spring Only		Prerequisite: MCH 130, MCH132, and MCH134	
DDSN 135 Solidworks 1	2	Spring Only			
WRIT121T Introduction to Technical Writing	3				
COMX106 Communicating in a Dynamic Workplace	2	Fall / Spring		General Education requirement	
Semester 3					
MCH 230 Tooling and Fixturing in CNC	2	Fall only			
MCH 231 CNC Turning Operations Level 1	4	Fall only	X	Prerequisite: MCH 136	
MCH 232 CNC Turning Programming Operations Level 2	3	Fall only		Corequisite: MCH 231	
MCH 234 CNC Milling Operations Level 1	4	Fall only	X	Prerequisite: MCH 137	
MCH 235 CNC Milling Programming Operations Level 2	3	Fall only		Corequisite: MCH 234	

Semester 4					
MCH 233 CNC Turning Programming Operations Level 3	3	Spring only		Prerequisite: MCH 231 & MCH 232	
MCH 236 CNC Milling Programming Operations Level 3	3	Spring only		Prerequisite: MCH 234 & MCH 235	
MCH 237 CAD / CAM CNC Turning Center	5	Spring only		Corequisite: MCH 233	
MCH 238 CAD / CAM CNC Milling Center	5	Spring only		Corequisite: MCH 236	

****Students must earn a C- or better in order to successfully complete a course.***