



32-420-1 MACHINE TOOL TECHNICIAN (SUPERIOR)
2024-25 REQUIRED COURSES
NORTHWOOD TECHNICAL COLLEGE
SPRING 2025
SUPERIOR



Name/ID _____

Date _____

CATALOG NUMBER	COURSE TITLE	HOURS PER WEEK	CREDITS	MACHINE TOOL OPERATION 31-420-1 (Financial Aid Eligible)	MACHINE TOOL TECHNICIAN (Financial Aid Eligible)	DATE COMPLETED	TRANSFER OR GRADE
FIRST TERM - SPRING 2025							
1st 8 weeks							
32420325	Machine Tool Operation 1	16 hours per week	4 credits	Machine Tool Operation	Machine Tool Technician		
2nd 8 weeks							
32420326	Machine Tool Operation 2 Corequisite: 32420325 Machine Tool Operation 1	16 hours per week	4 credits	Machine Tool Operation	Machine Tool Technician		
16 weeks							
32420329	Machine Tool Theory 1	4 hours per week	2 credits	Machine Tool Operation	Machine Tool Technician		
32420321	Print Reading for Machine Trades	2 hours per week	1 credit	Machine Tool Operation	Machine Tool Technician		
32804325	Applied Technical Math 1	6 hours per week	3 credits	Machine Tool Operation	Machine Tool Technician		
32801361	Applied Communications	4 hours per week	2 credits	Machine Tool Operation	Machine Tool Technician		
FIRST TERM TOTAL				16 Credits Machine Tool Operation	16 Credits Machine Tool Technician		
SECOND TERM - SUMMER 2025							
1st 5 weeks							
32420327	Machine Tool Operation 3 Prerequisite: 32420326 Machine Tool Operation 2	26 hours per week	4 credits	Machine Tool Operation	Machine Tool Technician		
2nd 5 weeks							
32420328	Machine Tool Operation 4 (WBL) Corequisite: 32420327 Machine Tool Operation 3	26 hours per week	4 credits	Machine Tool Operation	Machine Tool Technician		
10 weeks							
32420330	Machine Tool Theory 2	6 hours per week	2 credits	Machine Tool Operation	Machine Tool Technician		
32420365	CNC Fundamentals	6 hours per week	2 credits	Machine Tool Operation	Machine Tool Technician		
SECOND TERM TOTAL				12 Credits Machine Tool Operation	12 Credits Machine Tool Technician		

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better.

Revised 7/13/2023



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THIRD TERM - FALL 2025							
1st 8 weeks							
32420375	Job Shop Machining 1 Prerequisites: 32420330 Machine Tool Theory 2; 32420328 Machine Tool Operation 4 (WBL)	16 hours per week	4 credits		Machine Tool Technician		
2nd 8 weeks							
32420376	Job Shop Machining 2 Prerequisites: 32420330 Machine Tool Theory 2; 32420328 Machine Tool Operation 4 (WBL) and Corequisite: 32420375 Job Shop Machining 1	16 hours per week	4 credits		Machine Tool Technician		
16 weeks							
32420315	CNC Programming - Milling Prerequisite: 32420365 CNC Fundamentals or consent of instructor	4 hours per week	2 credits		Machine Tool Technician		
32420316	CNC Milling Operations Prerequisite: 32420365 CNC Fundamentals or consent of instructor	4 hours per week	2 credits		Machine Tool Technician		
32420320	CAD/CAM Applications Prerequisite: 32420361 Introduction to CAD/CAM or 32420365 CNC Fundamentals	4 hours per week	2 credits		Machine Tool Technician		
32420377	Production Fixturing and Quality	2 hours per week	1		Machine Tool Technician		
THIRD TERM TOTAL		30 hours per week	16 credits		15 Credits Machine Tool Technician		

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FOURTH TERM - SPRING 2026							
1st 8 weeks							
32420318	Production Machining 1 Prerequisites: 32420330 Machine Tool Theory 2; 32420328 Machine Tool Operation 4 (WBL)	16 hours per week	4 credits		Machine Tool Technician		
2nd 8 weeks							
32420378	Production Machining 2 Prerequisites: 32420330 Machine Tool Theory 2; 32420328 Machine Tool Operation 4 (WBL) and Corequisite: 32420318 Production Machining 1	12 hours per week	3 credits		Machine Tool Technician		
16 weeks							
32420312	CNC Programming - Turning Prerequisite: 32420365 CNC Fundamentals or consent of instructor	4 hours per week	2 credits		Machine Tool Technician		
32420313	CNC Turning Operations Prerequisite: 32420365 CNC Fundamentals or consent of instructor	4 hours per week	2 credits		Machine Tool Technician		
32420364	Multiaxis Programming and Operations	4 hours per week	2 credits		Machine Tool Technician		
FOURTH TERM TOTAL		31 hours per week			13 Credits Machine Tool Technician		
TOTAL CREDITS				28 Credits Machine Tool Operation	56 Credits Machine Tool Technician		

Please be advised that low enrollment class sections may be canceled. You will be contacted by Student Services with information on other class sections available in alternate formats.

GRADUATION REQUIREMENTS: Although your academic advisor can provide guidance, you are ultimately responsible for selecting courses that meet a program's graduation requirements. A program plan GPA of 2.0 in a 4.0 grade system is required to graduate.

EARN CREDIT FOR WHAT YOU ALREADY KNOW:

[Visit Credit for Prior Learning for more information](#)

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