



**32-420-1 MACHINE TOOL TECHNICIAN (SUPERIOR)  
2022-23 PROGRAM CURRICULUM CHECKLIST  
NORTHWOOD TECHNICAL COLLEGE  
SPRING 2023  
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
<b>FIRST TERM (Spring 2023)</b>							
<b>1st 8 weeks</b>							
32420325	Machine Tool Operation 1	16 hours per week	4 credits	Machine Tool Operation	Machine Tool Technician		
<b>2nd 8 weeks</b>							
32420326	Machine Tool Operation 2 Corequisite: 32420325 Machine Tool Operation 1	16 hours per week	4 credits	Machine Tool Operation	Machine Tool Technician		
<b>16 weeks</b>							
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		
<b>FIRST TERM TOTAL</b>				16 Credits Machine Tool Operation	16 Credits Machine Tool Technician		
<b>SECOND TERM (Summer 2023)</b>							
<b>1st 5 weeks</b>							
32420327	Machine Tool Operation 3 Prerequisite: 32420326 Machine Tool Operation 2	26 hours per week	4 credits	Machine Tool Operation	Machine Tool Technician		
<b>2nd 5 weeks</b>							
32420328	Machine Tool Operation 4 (WBL) Corequisite: 32420327 Machine Tool Operation 3	26 hours per week	4 credits	Machine Tool Operation	Machine Tool Technician		
<b>10 weeks</b>							
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		
<b>SECOND TERM TOTAL</b>				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 2.23.2022



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**SPRING 2023**  
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<b>THIRD TERM (Fall 2023)</b>							
<b>1st 8 weeks</b>							
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		
<b>2nd 8 weeks</b>							
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		
<b>16 weeks</b>							
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		
	<b>THIRD TERM TOTAL</b>	30 hours per week	16 credits		15 Credits Machine Tool Technician		

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<b>FOURTH TERM (Spring 2024)</b>							
<b>1st 8 weeks</b>							
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		
<b>2nd 8 weeks</b>							
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		
<b>16 weeks</b>							
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		
	<b>FOURTH TERM TOTAL</b>	31 hours per week			13 Credits Machine Tool Technician		
	<b>PROGRAM REQUIREMENTS</b>			<b>28 Credits</b> Machine Tool Operation	<b>56 Credits</b> Machine Tool Technician		

*Please be advised that low enrollment class sections may be cancelled. 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 <https://www.northwoodtech.edu/admissions/preparing-for-college/credit-for-prior-learning> for more information

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