



**32-420-1 Machine Tool Technician**  
**2026-27 Required Courses**  
**Northwood Technical College**  
**Spring 2027**  
**Superior**



Name/ID \_\_\_\_\_

Date \_\_\_\_\_

Catalog Number	Course Title	*Hours per Week	Credits	Machine Tool Operation Technical Diploma 31-420-1 (Financial Aid Eligible)	Machine Tool Technician Technical Diploma (Financial Aid Eligible)	Date Completed	Transfer or Grade
<b>First Term - Spring 2027</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 2027</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		



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	<b>Third Term - Fall 2027</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 2028</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>Total Credits</b>			<b>28 Credits</b> Machine Tool Operation	<b>56 Credits</b> Machine Tool Technician		

\*Hours per week represents periods of instruction and/or work-based learning hours per week (class hours). Additional time may be required outside of class to complete assignments. For more details on what you can expect outside of class, please see the "Expectations Outside of the Classroom" section of the Student Handbook.

*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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