



**32-420-1 MACHINE TOOL TECHNICIAN (SUPERIOR)
2020-21 PROGRAM CURRICULUM CHECKLIST
NORTHWOOD TECHNICAL COLLEGE
SPRING 2021
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)	NOTES	DATE COMPLETED	TRANSFER OR GRADE
FIRST TERM (Spring)								
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	5 hours per week	3 credits	Machine Tool Operation	Machine Tool Technician			
32420361	Introduction to CAD/CAM	2 hours per week	1 credit	Machine Tool Operation	Machine Tool Technician			
32801361	Applied Communications	3 hours per week	2 credits	Machine Tool Operation	Machine Tool Technician			
32809380	Applied Interpersonal Skills - This course is recommended for students who want to complete the Machine Tool Operation Program after the first year. Machine Tool Technician students will enroll in this course in fourth term.	3 hours per week	2 credits	Machine Tool Operation				
FIRST TERM TOTAL				19 Credits Machine Tool Operation	17 Credits Machine Tool Technician			
SECOND TERM (Summer)								
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	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 7/31/2020



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THIRD TERM (Fall)								
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 consent of instructor	4 hours per week	2 credits		Machine Tool Technician			
32420363	Production Fixturing and Quality	4 hours per week	2 credits		Machine Tool Technician			
	THIRD TERM TOTAL	32 hours per week	16 credits		16 Credits Machine Tool Technician			

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FOURTH TERM (Spring)								
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								
32420319	Production Machining 2 (WBL) Prerequisites: 32420330 Machine Tool Theory 2; 32420328 Machine Tool Operation 4 (WBL) and Corequisite: 32420318 Production Machining 1	16 hours per week	4 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			
32809380	Applied Interpersonal Skills	4 hours per week	2 credits		Machine Tool Technician			
	FOURTH TERM TOTAL	31 hours per week	16 credits		16 Credits Machine Tool Technician			
	PROGRAM REQUIREMENTS			31 Credits Machine Tool Operation	61 Credits 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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