



**31-444-1 MACHINE TOOL OPERATION - CNC**  
**30-444-2 CNC TECHNICIAN**  
**2024-25 REQUIRED COURSES**  
**NORTHWOOD TECHNICAL COLLEGE**  
**RICE LAKE**



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

Date \_\_\_\_\_

CATALOG NUMBER	COURSE TITLE	HOURS PER WEEK	CREDITS	CNC TECHNICIAN TECHNICAL DIPLOMA (30-444-2)	MACHINE TOOL OPERATION - CNC TECHNICAL DIPLOMA (Financial Aid Eligible)	NOTES	DATE COMPLETED	TRANSFER OR GRADE
<b>FIRST TERM - FALL 2024</b>								
<b>16 Weeks</b>								
32420321	Print Reading for Machine Trades	2 hours per week	1 credit	CNC Technician	Machine Tool Operation - CNC			
32420361	Introduction to CAD/CAM	2 hours per week	1 credit	CNC Technician	Machine Tool Operation - CNC			
32804325	Applied Technical Math 1	6 hours per week	3 credits	CNC Technician	Machine Tool Operation - CNC			
<b>First 8 Weeks</b>								
32444302	Machining Fundamentals	8 hours per week	2 credits	CNC Technician	Machine Tool Operation - CNC			
<b>FIRST TERM TOTAL</b>		10-18 hours per week		<b>7 Credits</b> CNC Technician	<b>7 Credits</b> Machine Tool Operation - CNC			
<b>SECOND TERM - SPRING 2025</b>								
<b>First 8 Weeks</b>								
31444310	Milling and Turning 1	12 hours per week	3 credits	CNC Technician	Machine Tool Operation - CNC			
<b>Second 8 Weeks</b>								
31444311	Milling and Turning 2 Corequisite: 31444310 Milling and Turning 1	20 hours per week	5 credits	CNC Technician	Machine Tool Operation - CNC			
<b>SECOND TERM TOTAL</b>		12-20 hours per week		<b>8 Credits</b> CNC Technician	<b>8 Credits</b> Machine Tool Operation - CNC			

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

Revised 3.24.25



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<b>THIRD TERM - FALL 2025</b>								
<b>16 Weeks</b>								
32420320	CAD/CAM Applications Prerequisite: 32420361 Introduction to CAD/CAM or 32420365 CNC Fundamentals	4 hours per week	2 credits		Machine Tool Operation - CNC			
32801361	Applied Communications	4 hours per week	2 credits		Machine Tool Operation - CNC			
31444312	Milling and Turning 3 Prerequisite: 31444311 Milling and Turning 2	6 hours per week	3 credits		Machine Tool Operation - CNC			
<b>THIRD TERM TOTAL</b>		14 hours per week			<b>7 Credits</b> Machine Tool Operation - CNC			
<b>FOURTH TERM - SPRING 2026</b>								
<b>16 Weeks</b>								
32804334	Applied Technical Math 2 Prerequisite: 32804325 Applied Technical Math 1	4 hours per week	2 credits		Machine Tool Operation - CNC			
<b>First 8 Weeks</b>								
31444313	Milling and Turning 4 Prerequisite: 31444311 Milling and Turning 2 and Corequisite: 31444312 Milling and Turning 3	16 hours per week	4 credits		Machine Tool Operation - CNC			
<b>Second 8 Weeks</b>								
31444314	Milling and Turning 5 Prerequisite: 31444311 Milling and Turning 2 and Corequisite: 31444313 Milling and Turning 4	16 hours per week	4 credits		Machine Tool Operation - CNC			
<b>FOURTH TERM TOTAL</b>		20 hours per week			<b>10 Credits</b> Machine Tool Operation - CNC			
<b>TOTAL CREDITS</b>				<b>15 Credits</b> CNC Technician	<b>32 Credits</b> Machine Tool Operation - CNC			

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*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. If you do not take courses in the recommended sequence above, it may delay your completion of 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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