

31-444-1 Machine Tool Operation - CNC
30-444-2 CNC Technician
2026-27 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 |
|----------------|--|-------------------------|-----------|---|--|-------|----------------|-------------------|
| | First Term - Fall 2026 | | | | | | | |
| | 16 Weeks | | | | | | | |
| 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 | | | |
| | First 8 Weeks | | | | | | | |
| 32444302 | Machining Fundamentals | 8 hours per week | 2 credits | CNC Technician | Machine Tool Operation - CNC | | | |
| | First Term Total | 10-18 hours per week | | 7 Credits CNC Technician | 7 Credits Machine Tool Operation - CNC | | | |
| | Second Term - Spring 2027 | | | | | | | |
| | First 8 Weeks | | | | | | | |
| 31444310 | Milling and Turning 1 | 12 hours per week | 3 credits | CNC Technician | Machine Tool Operation - CNC | | | |
| | Second 8 Weeks | | | | | | | |
| 31444311 | Milling and Turning 2 Corequisite: 31444310 Milling and Turning 1 | 20 hours per week | 5 credits | CNC Technician | Machine Tool Operation - CNC | | | |
| | Second Term Total | 12-20 hours per week | | 8 Credits CNC Technician | 8 Credits Machine Tool Operation - CNC | | | |

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| | Third Term - Fall 2027 | | | | | | | |
| | 16 Weeks | | | | | | | |
| 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 | | | |
| | Third Term Total | 14 hours per week | | | 7 Credits Machine Tool Operation - CNC | | | |
| | Fourth Term - Spring 2028 | | | | | | | |
| | 16 Weeks | | | | | | | |
| 32804334 | Applied Technical Math 2 Prerequisite: 32804325 Applied Technical Math 1 | 4 hours per week | 2 credits | | Machine Tool Operation - CNC | | | |
| | First 8 Weeks | | | | | | | |
| 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 | | | |
| | Second 8 Weeks | | | | | | | |
| 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 | | | |
| | Fourth Term Total | 20 hours per week | | | 10 Credits Machine Tool Operation - CNC | | | |
| | Total Credits | | | 15 Credits CNC Technician | 32 Credits Machine Tool Operation - CNC | | | |



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*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. 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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