



**31-444-1 MACHINE TOOL OPERATION - CNC
2019-20 PROGRAM CURRICULUM CHECKLIST
WISCONSIN INDIANHEAD TECHNICAL COLLEGE (W I T C)
RICE LAKE**



Name/ID _____

Date _____

CATALOG NUMBER	COURSE TITLE	HOURS PER WEEK		CREDITS		MANUFACTURING PRODUCTION TECHNICIAN TECHNICAL DIPLOMA (30-444-3)	CNC TECHNICIAN TECHNICAL DIPLOMA (30- 444-2)	MACHINE TOOL OPERATION - CNC TECHNICAL DIPLOMA (Financial Aid Eligible)
FIRST TERM								
16 Weeks								
32-444-300	CNC Turning – Basic Operation and Programming	4	hours per week	2	credits	Manufacturing Production Technician	CNC Technician	Machine Tool Operation - CNC
32-444-301	CNC Milling – Basic Operation and Programming	4	hours per week	2	credits	Manufacturing Production Technician	CNC Technician	Machine Tool Operation - CNC
32-444-302	Machining - Fundamentals and Drilling Processes	4	hours per week	2	credits	Manufacturing Production Technician	CNC Technician	Machine Tool Operation - CNC
32-444-303	Machining - Turning Processes	6	hours per week	3	credits		CNC Technician	Machine Tool Operation - CNC
32-444-304	Machining - Milling Processes	6	hours per week	3	credits		CNC Technician	Machine Tool Operation - CNC
32-420-361	Introduction to CAD/CAM	2	hours per week	1	credit	Manufacturing Production Technician	CNC Technician	Machine Tool Operation - CNC
32-804-325	Applied Technical Math 1	5	hours per week	3	credits	Manufacturing Production Technician	CNC Technician	Machine Tool Operation - CNC
32-801-361	Applied Communications <i>(CNC Technician Students ONLY, Machine Tool Operation-CNC students will complete in the second term.)</i>	3	hours per week	2	credits		CNC Technician	
First 8 Weeks								
31-420-322	Print Reading for Machine Trades 1	4	hours per week	1	credit	Manufacturing Production Technician	CNC Technician	Machine Tool Operation - CNC
Second 8 Weeks								
31-420-323	Print Reading for Machine Trades 2 Prerequisite: 31-420-322 Print Reading for Machine Trades 1	4	hours per week	1	credit		CNC Technician	Machine Tool Operation - CNC
TERM TOTAL						11 Credits Manufacturing Production Technician	20 Credits CNC Technician	18 Credits Machine Tool Operation - CNC

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

Revised 8/14/2018



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SECOND TERM								
32-444-305	Machining - Surface Grinding Processes	6	hours per week	3	credits			Machine Tool Operation - CNC
32-444-306	CNC Milling – Advanced Operation and Programming Prerequisite: 32-444-301 CNC Milling - Basic Operation and Programming	8	hours per week	4	credits			Machine Tool Operation - CNC
32-444-307	CNC Turning – Advanced Operation and Programming Prerequisite: 32-444-300 CNC Turning - Basic Operation and Programming	8	hours per week	4	credits			Machine Tool Operation - CNC
32-420-320	CAD/CAM Applications Prerequisite: 32-420-361 Introduction to CAD/CAM or consent of instructor	4	hours per week	2	credits			Machine Tool Operation - CNC
32-801-361	Applied Communications	3	hours per week	2	credits			Machine Tool Operation - CNC
32-804-334	Applied Technical Math 2 Prerequisite: 32-804-325 Applied Technical Math 1	4	hours per week	2	credits			Machine Tool Operation - CNC
	SECOND TERM TOTAL	33	hours per week	17	credits			17 Credits Machine Tool Operation - CNC
	PROGRAM REQUIREMENTS			35	credits	11 Credits Manufacturing Production Technician	20 Credits CNC Technician	35 Credits Machine Tool Operation - CNC

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. 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 <https://www.witc.edu/admissions/preparing-for-college/credit-for-prior-learning> for more information

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