



WISCONSIN
INDIANHEAD
TECHNICAL
COLLEGE

**32-420-5 MACHINE TOOLING TECHNICIS
31-420-6 ENTRY LEVEL MACHINING
2019-20 PROGRAM CURRICULUM CHECKLIST
WISCONSIN INDIANHEAD TECHNICAL COLLEGE (WITC)
NEW RICHMOND**



Name/ID		Date				ENTRY LEVEL MACHINING TECHNICAL DIPLOMA (Financial Aid Eligible)	MULTI-AXIS CNC MACHINING TECHNICAL DIPLOMA (30-420-3)	MACHINE TOOLING TECHNICS TECHNICAL DIPLOMA (Financial Aid Eligible)
FIRST TERM								
16 weeks								
32-420-306	Machine Shop Theory 1	4	hours per week	2	credits	Entry Level Machining		Machine Tooling Technics
32-804-325	Applied Technical Math 1	5	hours per week	3	credits	Entry Level Machining		Machine Tooling Technics
32-890-305	Applied Information Resources	3	hours per week	2	credits			Machine Tooling Technics
First 8 weeks								
32-420-308	Applied Machine Tooling 1	16	hours per week	4	credits	Entry Level Machining		Machine Tooling Technics
32-420-321	Print Reading for Machine Trades	4	hours per week	1	credit	Entry Level Machining		Machine Tooling Technics
Second 8 weeks								
32-420-309	Applied Machine Tooling 2 Corequisites: 32-420-308 Applied Machine Tooling 1 and 32-420-321 Print Reading for Machine Trades	16	hours per week	4	credits	Entry Level Machining		Machine Tooling Technics
32-420-338	CAD Basics	4	hours per week	1	credit	Entry Level Machining		Machine Tooling Technics
FIRST TERM TOTAL						15 Credits Entry Level Machining		17 Credits Machine Tooling Technics



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CATALOG NUMBER	COURSE TITLE	HOURS PER WEEK		CREDITS		ENTRY LEVEL MACHINING TECHNICAL DIPLOMA (Financial Aid Eligible)	MULTI-AXIS CNC MACHINING TECHNICAL DIPLOMA (30-420-3)	MACHINE TOOLING TECHNICIS TECHNICAL DIPLOMA (Financial Aid Eligible)
SECOND TERM								
16 weeks								
32-420-307	Machine Shop Theory 2 Prerequisite: 32-420-306 Machine Shop Theory 1	4	hours per week	2	credits	Entry Level Machining		Machine Tooling Technics
32-420-339	Mastercam Prerequisite: 32-420-338 CAD Basics	4	hours per week	2	credits	Entry Level Machining		Machine Tooling Technics
32-804-335	Advanced Technical Math Prerequisite: 32-804-325 Applied Technical Math 1	5	hours per week	3	credits			Machine Tooling Technics
First 8 weeks								
32-420-336	Applied Machine Tooling 3 Prerequisites: 32-420-306 Machine Shop Theory 1 and 32-420-309 Applied Machine Tooling 2	16	hours per week	4	credits	Entry Level Machining		Machine Tooling Technics
Second 8 weeks								
32-420-337	Applied Machine Tooling 4 Corequisites: 32-420-307 Machine Shop Theory 2 and 32-420-336 Applied Machine Tooling 3	16	hours per week	4	credits	Entry Level Machining		Machine Tooling Technics
SECOND TERM TOTAL						12 Credits Entry Level Machining		15 Credits Machine Tooling Technics
THIRD TERM								
16 weeks								
32-420-311	Materials for Machine Tooling Technics	2	hours per week	1	credit		Multi-Axis CNC Machining	Machine Tooling Technics
32-420-334	CAD/CAM Demo Prerequisites: 32-420-321 Print Reading for Machine Trades and 32-420-339 Mastercam	4	hours per week	2	credits		Multi-Axis CNC Machining	Machine Tooling Technics
32-420-357	Advanced Machining Concepts	2	hours per week	1	credit		Multi-Axis CNC Machining	Machine Tooling Technics
32-801-361	Applied Communications	3	hours per week	2	credits		Multi-Axis CNC Machining	Machine Tooling Technics
First 8 weeks								
32-420-370	Machine Tooling Technics 1 Prerequisite: 32-420-337 Applied Machine Tooling 4	16	hours per week	4	credits		Multi-Axis CNC Machining	Machine Tooling Technics
Second 8 weeks								
32-420-371	Machine Tooling Technics 2 Corequisite: 32-420-370 Machine Tooling Technics 1	16	hours per week	4	credits		Multi-Axis CNC Machining	Machine Tooling Technics
THIRD TERM TOTAL							14 Credits Multi-Axis CNC Machining	14 Credits Machine Tooling Technics



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FOURTH TERM								
32-420-372	Machine Tooling Technics 3 (WBL) Prerequisites: 32-420-321 Print Reading for Machine Trades, 32-420-371 Machine Tooling Technics 2, and Corequisite: 32-420-391 Toolmaking Theory	10	hours per week	5	credits			Machine Tooling Technics
32-420-391	Toolmaking Theory	3	hours per week	2	credits			Machine Tooling Technics
32-801-362	Advanced Communication Skills Prerequisite: 32-801-361 Applied Communications	3	hours per week	2	credits			Machine Tooling Technics
32-809-380	Applied Interpersonal Skills	3	hours per week	2	credits			Machine Tooling Technics
	FOURTH TERM TOTAL							11 Credits Machine Tooling Technics
	PROGRAM REQUIREMENTS					27 Credits Entry Level Machining	14 Credits Multi-Axis CNC Machining	57 Credits Machine Tooling Technics

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