



**32-420-5 MACHINE TOOLING TECHNICS  
31-420-6 ENTRY LEVEL MACHINING  
2018-19 PROGRAM CURRICULUM CHECKLIST  
WISCONSIN INDIANHEAD TECHNICAL COLLEGE (WITC)  
NEW RICHMOND**



Name/ID		Date						
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 TECHNICS TECHNICAL DIPLOMA (Financial Aid Eligible)
<b>FIRST TERM</b>								
<b>16 weeks</b>								
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 Prereq: Established score on placement assessment or Coreq: 76854750 Math Foundations for Trades	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
<b>1st 8 weeks</b>								
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
<b>2nd 8 weeks</b>								
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 Corequisite: 32-420-321 Print Reading for Machine Trades	4	hours per week	1	credit	Entry Level Machining		Machine Tooling Technics
<b>FIRST TERM TOTAL</b>						15 Credits Entry Level Machining		17 Credits Machine Tooling Technics
<b>SECOND TERM</b>								
<b>16 weeks</b>								
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
<b>First 8 weeks</b>								
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
<b>Second 8 weeks</b>								
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
<b>SECOND TERM TOTAL</b>						12 Credits Entry Level Machining		15 Credits Machine Tooling Technics



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<b>THIRD TERM</b>								
<b>16 weeks</b>								
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 Prerequisite: Established score on placement assessment or Corequisite: 76-851-750 Writing Foundations for Trades	3	hours per week	2	credits		Multi-Axis CNC Machining	Machine Tooling Technics
<b>1st 8 weeks</b>								
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
<b>2nd 8 weeks</b>								
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
<b>THIRD TERM TOTAL</b>							<b>14 Credits</b> Multi-Axis CNC Machining	<b>14 Credits</b> Machine Tooling Technics
<b>FOURTH TERM</b>								
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
<b>FOURTH TERM TOTAL</b>								<b>11 Credits</b> Machine Tooling Technics
<b>PROGRAM REQUIREMENTS</b>						<b>27 Credits</b> Entry Level Machining	<b>14 Credits</b> Multi-Axis CNC Machining	<b>57 Credits</b> Machine Tooling Technics



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*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 <http://www.witc.edu/academics/transfer/priorlearn.htm> for more information



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