



Name/ID _____

Date _____

Catalog Number	Course Title	*Hours per Week	Credits	Entry Level Machining Technical Diploma (31-420-6)	Multi-Axis CNC Milling Technical Diploma (30-420-3)	Machine Tooling Technics Technical Diploma (Financial Aid Eligible)
	First Term - Fall 2026					
	16 weeks					
32420306	Machine Shop Theory 1	4 hours per week	2 credits	Entry Level Machining		Machine Tooling Technics
32804325	Applied Technical Math 1	6 hours per week	3 credits	Entry Level Machining		Machine Tooling Technics
	First 8 weeks					
32420308	Applied Machine Tooling 1	16 hours per week	4 credits	Entry Level Machining		Machine Tooling Technics
32420321	Print Reading for Machine Trades	4 hours per week	1 credit	Entry Level Machining		Machine Tooling Technics
	Second 8 weeks					
32420309	Applied Machine Tooling 2 Corequisites: 32420308 Applied Machine Tooling 1 and 32420321 Print Reading for Machine Trades	16 hours per week	4 credits	Entry Level Machining		Machine Tooling Technics
32420338	CAD Basics	4 hours per week	1 credit	Entry Level Machining		Machine Tooling Technics
	First Term Total			15 Credits Entry Level Machining		15 Credits Machine Tooling Technics



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	Second Term - Spring 2027					
	16 weeks					
32420307	Machine Shop Theory 2 Prerequisite: 32420306 Machine Shop Theory 1	4 hours per week	2 credits	Entry Level Machining		Machine Tooling Technics
32420339	Mastercam Prerequisite: 32420338 CAD Basics	4 hours per week	2 credits	Entry Level Machining		Machine Tooling Technics
	First 8 weeks					
32420336	Applied Machine Tooling 3 Prerequisites: 32420306 Machine Shop Theory 1 and 32420309 Applied Machine Tooling 2	16 hours per week	4 credits	Entry Level Machining		Machine Tooling Technics
	Second 8 weeks					
32420337	Applied Machine Tooling 4 Corequisites: 32420307 Machine Shop Theory 2 and 32420336 Applied Machine Tooling 3	16 hours per week	4 credits	Entry Level Machining		Machine Tooling Technics
	Second Term Total			12 Credits Entry Level Machining		12 Credits Machine Tooling Technics
	Third Term - Fall 2027					
	16 weeks					
32420311	Materials for Machine Tooling Technics	2 hours per week	1 credit		Multi-Axis CNC Milling	Machine Tooling Technics
32420334	CAD/CAM Demo Prerequisites: 32420321 Print Reading for Machine Trades and 32420339 Mastercam	4 hours per week	2 credits		Multi-Axis CNC Milling	Machine Tooling Technics
32420357	Advanced Machining Concepts	2 hours per week	1 credit		Multi-Axis CNC Milling	Machine Tooling Technics
32801361	Applied Communications	4 hours per week	2 credits		Multi-Axis CNC Milling	Machine Tooling Technics
	First 8 weeks					
32420370	Machine Tooling Technics 1 Prerequisite: 32420337 Applied Machine Tooling 4	16 hours per week	4 credits		Multi-Axis CNC Milling	Machine Tooling Technics
	Second 8 weeks					
32420371	Machine Tooling Technics 2 Corequisite: 32420370 Machine Tooling Technics 1	16 hours per week	4 credits		Multi-Axis CNC Milling	Machine Tooling Technics
	Third Term Total				14 Credits Multi-Axis CNC Milling	14 Credits Machine Tooling Technics



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Fourth Term - Spring 2028						
1st 8 Weeks						
32420343	Machine Tooling Technics 3 Prerequisites: 32420321 Print Reading for Machine Trades, 32420371 Machine Tooling Technics 2, and Corequisite: 32420391 Toolmaking Theory	12 hours per week	3 credits			Machine Tooling Technics
2nd 8 Weeks						
32420344	Machine Tooling Technics 4 Prerequisites: 32420321 Print Reading for Machine Trades, 32420371 Machine Tooling Technics 2, and Corequisite: 32420391 Toolmaking Theory, 32420343 Machine Tooling Technics 3	12 hours per week	3 credits			Machine Tooling Technics
32420391	Toolmaking Theory	4 hours per week	2 credits			Machine Tooling Technics
32801362	Advanced Communication Skills Prerequisite: 32801361 Applied Communications	4 hours per week	2 credits			Machine Tooling Technics
32804335	Advanced Technical Math Prerequisite: 32804325 Applied Technical Math 1	6 hours per week	3 credits			Machine Tooling Technics
Fourth Term Total						13 Credits Machine Tooling Technics
Total Credits				27 Credits Entry Level Machining	14 Credits Multi-Axis CNC Milling	54 Credits Machine Tooling Technics

*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.

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