



Precision Machining and Manufacturing Diploma (MTT2)- 45 Credit Hours

Program Description:

The Precision Machining and Manufacturing diploma program is a sequence of courses that prepares students for careers in the machine tool technology field. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of machine tool theory and practical application necessary for successful employment. Graduates may find employment as machine tool technicians or in a related field. Salaries in this occupation are estimated at \$33,470 – \$48,510 per year. (BLS.gov May 2022)

Contact:

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Website:

<https://www.westgatech.edu/program-explorer/manufacturing-and-production/precision-machining-and-manufacturing/>

Pre-Diploma Requirements					
Program Specific					
<ul style="list-style-type: none"> Min GPA 2.0 Carrollton, CEC (Newnan), and LaGrange Campus Prerequisites – Minimum Grade of C required 					
Set the Track, Start the Track, Stay on Track					
<i>Meet with an Advising Coach to Stay on Track. S = Semester; CR = Credit Hours; FA = Fall; SP = Spring; SU = Summer; ALL=any semester</i>					
✓	Grade	Semester 1	S	CR	Notes & Milestones
		MATH 1012 Foundations of Mathematics	ALL	3	
		MCHT 1011 Introduction to Machine Tool	ALL	4	
		MCHT 1012 Print Reading for Machine Tool	ALL	3	
		MCHT 1030 Applied Measurement	ALL	3	
				13	Program Semester Hours
✓	Grade	Semester 2	S	CR	Notes & Milestones
		MCHT 1013 Machine Tool Math	ALL	3	Student may also use MATH 1013 or MATH 1015
		MCHT 1119 Lathe Operations I	SP	4	
		MCHT 1120 Mill Operations I	SP	4	
				11	Program Semester Hours

✓	Grade	Semester 3	S	CR	Notes & Milestones
		ENGL 1010 Fundamentals of English I	ALL	3	
		MCHT 1020 Heat Treatment and Surface Grinding	ALL	4	
		MCHT 1220 Mill Operations II	ALL	4	
				11	Program Semester Hours
✓	Grade	Semester 4	S	CR	Notes and Milestones
		EMPL 1000 Interpersonal Relations and Professional Development	ALL	2	
		AMCA 2110 CNC Fundamentals	ALL	4	
		MCHT 1219 Lathe Operations II	ALL	3	
					Program Semester Hours
Always check online https://www.westgatech.edu/ and meet with your Advising or Faculty Coach to ensure you are viewing the latest and most accurate information.					

Employment Opportunities: <https://www.westgatech.edu/student-life/career-services/>

Financial Aid by Program: <https://www.westgatech.edu/wp-content/uploads/2019/02/WGTC-Available-Aid-By-Program-11-17-2023.pdf>

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