



Precision Manufacturing and Maintenance GACATT Diploma (PMA2)- 50 Credit Hours Customized Training Specialization

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. Initial salaries are estimated to begin at \$48,180. (BLS.gov May 2022).

Contact:

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Website:

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

Pre-Diploma Requirements					
Program Specific					
<ul style="list-style-type: none"> Min GPA 2.0 Carrollton, Coweta 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	
		IDSY 1160 Mechanical Laws and Principals	ALL	4	
		IDSY 1170 Industrial Mechanics	ALL	4	
		IDSY 1101 DC Circuit Analysis	ALL	3	
				14	Program Semester Hours
✓	Grade	Semester 2	S	CR	Notes & Milestones
		IDSY 1105 AC Circuit Analysis	ALL	3	Prerequisites IDSY 1101
		EMPL 1000 Interpersonal Relations and Professional Development	ALL	2	
		ENGL 1010 Fundamentals of English I	ALL	3	
		AUMF 1130 Applied Hydraulics, Pneumatics, and Mechanics	ALL	2	
				10	Program Semester Hours

✓	Grade	Semester 3	S	CR	Notes & Milestones
		IDSY 1110 Industrial Motor Controls I	ALL	4	Prerequisites IDSY 1101 IDSY 1105
		WELD 1330 Metal Welding and Cutting Techniques	SU	2	
		IDSY 1240 Maintenance for Reliability	ALL	4	Prerequisites IDSY 1170
				10	Program Semester Hours
✓	Grade	Semester 4	S	CR	Notes and Milestones
		IDSY 1120 Basic Industrial PLC	ALL	4	Prerequisites IDSY 1101, IDSY 1105 and IDSY 1110
		AUMF 1110 Flexible Manufacturing System I	ALL	5	Prerequisites IDSY 1101 and 1105
		AUMF 1560 Manufacturing Production Requirements	ALL	1	
				10	Program Semester Hours
✓	Grade	Semester 5	S	CR	Notes and Milestones
		IDSY 1220 Intermediate PLCs	ALL	4	Prerequisites IDSY 1120
		AUMF 1580 Automated Manufacturing Skills	ALL	3	
				7	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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