



Precision Manufacturing and Maintenance for GACATT Diploma (PM12)- 50 Credit Hours

Program Description:

The Precision Manufacturing and Maintenance diploma program is designed to develop versatile skills required for a variety of manufacturing positions. This planned sequence of courses prepares students to install, program, operate, maintain, service, and diagnose electromechanical equipment used in manufacturing applications. According to the BLS, overall employment of industrial machinery mechanics, maintenance technicians, and millwrights is projected to grow 19% from 2012 to 2022, faster than the average for all occupations. Increased adoption of sophisticated manufacturing machinery will require more highly-skilled mechanics and technicians to keep machines in good working order.

Contact:

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Website:

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

Pre-Diploma Requirements

Program Specific

- Min GPA 2.0
- Carrollton, Coweta and LaGrange Campus
- Prerequisites – Minimum Grade of C required

Set the Track, Start the Track, Stay on Track

Meet with an Advising Coach to Stay on Track. S = Semester; CR = Credit Hours; FA = Fall; SP = Spring; SU = Summer; ALL=any semester

✓	Grade	Fall Semester 1	S	CR	Notes & Milestones
		AUMF 1580 Automated Manufacturing Skills	ALL	3	
		MATH 1012 Foundations of Mathematics	ALL	3	
		IDSY 1101 DC Circuit Analysis	ALL	3	
		IDSY 1105 AC Circuit Analysis	F, SP	3	
		IDSY 1161 Fund. Of Machine Too and Mechanical Systems	F	4	
				16	Program Semester Hours
✓	Grade	Spring Semester	S	CR	Notes & Milestones
		AUMF 1110 Flexible Manufacturing Systems I	SP	5	
		AUMF 1210 Flexible Manufacturing Systems II	SP	5	
		IDSY 1171 Industrial Mechanics	SP	4	
		MEGT 1010 Manufacturing Processes	SP	3	
				17	Program Semester Hours

✓	Grade	Summer Semester	S	CR	Notes & Milestones
		AUMF 1560 Manufacturing Production Requirements	ALL	1	
		EMPL 1000 Interpersonal Relations and Professional Development	ALL	3	
		ENGL 1010 Fundamentals of English I	ALL	3	
		MCHT 1012 Print Reading for Machine Tool	SU	3	
		IDSY 1240 Maintenance for Reliability	ALL	4	
				14	Program Semester Hours
✓	Grade	Fall Semester 2	S	CR	Notes and Milestones
		AMCA 2110 CNC Fundamentals	F	4	
		AUMF 1130 Applied Hydraulics, Pneumatics, and Mechanics	F, SP	2	
		MCHT 1020 Heat Treatment and Surface Grinding	F	3	
		IDSY 1112 Motor Controls I	F, SP	4	Prerequisite IDSY 1101, 1105
		IDSY 1260 Machine Tool for Industrial Repairs	F	4	Prerequisites IDSY 1161
				17	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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