



Precision Manufacturing and Maintenance Diploma (PM12)- 50 Credit Hours Customized Training Specialization

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/>

Campus:

Carroll, Coweta, and LaGrange campus

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	Prerequisites must be passed with a "C" or higher	
		IDSY 1101 DC Circuit Analysis	ALL	3		
		IDSY 1105 AC Circuit Analysis	FA, SP	3		
		IDSY 1160 Mechanical Laws and Principles	ALL	4		
				12		Program Semester Hours
✓	Grade	Semester 2	S	CR	Notes & Milestones	
		AUMF 1110 Flexible Manufacturing System I	ALL	5	Prerequisites must be passed with a "C" or higher Prerequisite IDSY 1101, IDSY 1105	
		AUMF 1130 Applied Hydraulics, Pneumatics, and Mechanics	ALL	2		
		IDSY 1112 Motor Controls I -OR- IDSY 1110 Industrial Motor Controls I	ALL	4		
		IDSY 1171 Industrial Mechanics -OR- IDSY 1170 Industrial Mechanics	FA, SP	4		
				16	Program Semester Hours	
✓	Grade	Semester 3	S	CR	Notes & Milestones	
		EMPL 1000 Interpersonal Relations and Professional Development	ALL	3	Prerequisites must be passed with a "C" or higher	
		ENGL 1010 Fundamentals of English I	ALL	3		
		WELD 1330 Metal Welding and Cutting Techniques	SU	2		
		AUMF 1580 Automated Manufacturing Skills	ALL	3		Online
				11		Program Semester Hours

✓	Grade	Semester 4	S	CR	Notes & Milestones Prerequisites must be passed with a "C" or higher
		AUMF 1560 Manufacturing Production Requirements	ALL	1	Online
		IDSY 1240 Maintenance for Reliability	ALL	4	
		IDSY 2000 PLC I -OR- IDSY 1120 Basic PLCs	FA, SP	4	Prerequisite IDSY 1110 or IDSY 1112
		IDSY 2001 PLC II -OR- IDSY 1220 Intermediate PLCs	FA, SP	4	
				13	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/financial-aid/types-of-aid/>

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