

*School of Trade and Technology*

# Precision Manufacturing and Maintenance PM12—58 Credit Hours

*Program Chair:* [michael.steverson@westgatech.edu](mailto:michael.steverson@westgatech.edu)

*Courses may rotate among the following locations:*

Complete	General Education Course Number (credits)	Course Name	Prerequisite	Notes
<input type="checkbox"/>	<p><b>**Learning Support Courses</b> (refer to Admissions evaluation). Examples include: ENGL 0998 and MATH 0091/1012            Not available online; courses must be completed on campus if student is provisional and not regular status.</p> <p><i>These courses are not calculated into students' institutional GPA. Learning support courses are individually assigned based on admissions testing results and program requirements. 0096 courses must be completed with the Adult Education department before starting college program—contact Admissions for questions regarding evaluations.</i></p>			
<input type="checkbox"/>	**ENGL 1010 (3)	Fundamentals of English I	Diploma program admission level writing and reading competency	
<input type="checkbox"/>	EMPL 1000 (2)	Interpersonal Relations and Professional Development	None	
<input type="checkbox"/>	MATH 1012 (3) -OR- MATH 1013 (3)	Foundations of Mathematics -OR- Algebraic Concepts	Diploma program admission level math competency Diploma program admission level algebra competency	
Complete	Occupational Course Number (credits)	Course Name	Prerequisite	Notes
<input type="checkbox"/>	AMCA 2110 (4)	CNC Fundamentals	MCHT 1011 and MCHT 1012	
<input type="checkbox"/>	AUMF 1110 (5)	Flexible Manufacturing Systems I	IDFC 1000 and IDFC 1005 -OR- IDSY and IDSY 1105	
<input type="checkbox"/>	AUMF 1210 (5)	Flexible Manufacturing Systems II	AUMF 1110	
<input type="checkbox"/>	AUMF 1560 (1)	Manufacturing Production Requirements	None	
<input type="checkbox"/>	IDSY 1101 (3)	DC Circuit Analysis	None	

**\*\*First term suggestion:** All assigned learning support and/or—ENGL 1010, IDSY 1101, and MATH 1012

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<input type="checkbox"/>	IDSY 1105 (3)	AC Circuit Analysis	None	
<input type="checkbox"/>	IDSY 1160 (4)	Mechanical Law and Principles	None	
<input type="checkbox"/>	IDSY 1170 (4)	Industrial Mechanics	None	
<input type="checkbox"/>	IDSY 1240 (4)	Maintenance for Reliability	None	
<input type="checkbox"/>	IDSY 1260 (4)	Machine Tool Industrial Repairs	None	
<input type="checkbox"/>	MCHT 1020 (4)	Heat Treatment and Surface Grinding	Regular status (all learning support complete or no learning support required)	
<input type="checkbox"/>	MEGT 1010 (3)	Manufacturing Processes	ENGT 1000	
<input type="checkbox"/>	MEGT 2100 (3)	Manufacturing Quality Control	ENGT 1000 or MATH 1013 or MATH 1111 with a minimum grade of C.	
<input type="checkbox"/>	Occupational Elective (3)	Occupational Elective AMCA, AUMF, ELCR, IDSY, MCHT or MEGT	See catalog	

This program is eligible for Federal Aid including Pell Grant and federal student loans and may be eligible for Institutional and State Financial Aid. Contact the Financial Aid office for eligibility requirements and application materials.

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