

School of Trade and Technology

Precision Manufacturing and Maintenance GACATT Diploma PMA2—50 Credit Hours

Program Chair: steve.cromer@westgatech.edu

Courses may rotate among the following locations: LaGrange

Complete	General Education Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	<p>**Learning Support Courses (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"/>	EMPL 1000 (2)	Interpersonal Relations and Professional Development	None	
<input type="checkbox"/>	ENGL 1010 (3)	Fundamentals of English I	Diploma program admission level writing and reading competency	
<input type="checkbox"/>	MATH 1012 (3) -OR- MATH 1013 (3)	Foundations of Mathematics Algebraic Concepts	Diploma program admission level math competency Diploma program admission level algebra competency	
Complete	Occupational Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	IDSY 1101 (3)	DC Circuit Analysis	None	
<input type="checkbox"/>	IDSY 1105 (3)	AC Circuit Analysis	None	
<input type="checkbox"/>	AUMF 1110 (5)	Flexible Manufacturing Systems I	IDFC 1000 and IDFC 1005 -OR- IDSY and IDSY 1105	

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<input type="checkbox"/>	AUMF 1560 (1)	Manufacturing Production Requirements	None	
<input type="checkbox"/>	IDSY 1170 (4)	Industrial Mechanics	None	
<input type="checkbox"/>	IDSY 1240 (4)	Maintenance for Reliability	None	

And Choose ONE of the following Specializations:

Industrial Mechanical Specialization (27 credits)				
Complete	Occupational Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	AMCA 2110 (4)	CNC Fundamentals	MCHT 1011 and MCHT 1012	
<input type="checkbox"/>	AUMF 1210 (5)	Flexible Manufacturing Systems II	AUMF 1110	
<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	

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Customized Training Specialization (23 credits)				
Complete	Occupational Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	AMCA 1130 (2)	Applied Hydraulics, Pneumatics, and Mechanics	Regular status (all learning support complete or no learning support required)	
<input type="checkbox"/>	AUMF 1580 (3)	Automated Manufacturing Skills	None	
<input type="checkbox"/>	IDSY 1110 (4)	Industrial Motor Controls I	None	
<input type="checkbox"/>	IDSY 1120 (4)	Basic Industrial PLCs	None	
<input type="checkbox"/>	IDSY 1220 (4)	Intermediate Industrial PLCs	None	
<input type="checkbox"/>	IDSY 1160 (4)	Mechanical Laws and Principals		
<input type="checkbox"/>	WELD 1330 (2)	Metal Welding and Cutting Techniques	None	

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Mechatronics Specialization (22 credits)				
Complete	Occupational Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	AUMF 1120 (5) -OR- IDSY 1120 (4)	Programmable Controllers Basic Industrial PLCs	IDFC 1005 None	
<input type="checkbox"/>	AUMF 1150 (3)	Introduction to Robotics	AUMF 1120	
<input type="checkbox"/>	AUMF 1580 (3)	Automated Manufacturing Skills	None	
<input type="checkbox"/>	IDSY 1005 (4)	Introduction to Mechatronics	None	
<input type="checkbox"/>	IDSY 1230 (4)	Industrial Instrumentation	None	
<input type="checkbox"/>	IDSY 2830 (4)	Networking Industrial Equipment	None	

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.

As set forth in its student catalog, West Georgia Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, or citizenship status (except in those special circumstances permitted or mandated by law).