



Industrial Machining Technician Certificate (IM61)- 18 Credit Hours

Program Description:

The Industrial Machining Technician certificate program provides the skills necessary to use tools and equipment to form and machine various materials, interpret drawings and produce sketches for machine tool applications, and demonstrate advanced machining operations performed on CNC machines. Topics include basic machine tool skills and common mechanical repairs; metallurgy principles; precision measurement and quality control procedures; production methods; and setup, operation, and programming of CNC machinery, as well as CAD/CAM. In addition to technical skills, critical thinking and problem solving are emphasized throughout. Graduates may find entry-level employment as instrumentation technicians, electrical technicians, instrument mechanics, or industrial maintenance technicians in a variety of settings that require automated manufacturing skills. 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-Certificate 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 1111 College Algebra -OR- MATH 1101 Mathematical Modeling	ALL	3	
		MCHT 1020 Heat Treatment and Surface Grinding	ALL	4	
		IDSY 1260 Machine Tool for Industrial Repairs	ALL	4	
				11	Program Semester Hours
✓	Grade	Semester 2	S	CR	Notes & Milestones
		AMCA 2110 CNC Fundamentals	ALL	4	
		XXXX XXXX Occupational Elective	ALL	3	See Faculty Advisor
				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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