



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

- 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	Semester 1	S	CR	Notes & Milestones
		MATH 1111 College Algebra	ALL	3	
		-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>

As set forth in its student catalog, West Georgia Technical College complies with the Technical College System of Georgia (TCSG). The TCSG State Board prohibits discrimination on the basis of an individual's age, color, disability, genetic information, national origin, race, religion, sex, or veteran status ("protected status"). No individual shall be excluded from participation in, denied the benefits of, or otherwise subjected to unlawful discrimination, harassment, or retaliation under, any TCSG program or activity because of the individual's protected status; nor shall any individual be given preferential treatment because of the individual's protected status, except the preferential treatment may be given on the basis of veteran status when appropriate under federal or state law. The following person(s) has been designated to manage inquiries regarding the nondiscrimination policies: Equity (Title IX) Coordinator: Melinda Hofius, Dean of Students 770.537.5722, 176 Murphy Campus Blvd., Waco, GA 30182; ADA (Section 504) Coordinators: Students: Zelma Jones, Career and Student Support Services Manager, 770.824.5245, 176 Murphy Campus Blvd., Waco, GA 30182, Student504@westgatech.edu, Employees: Teresa Jiles, Human Resources Manager, 770.537.6056, 176 Murphy Campus Blvd., Waco, GA 30182, wgtcHR@westgatech.edu.