



## Manufacturing Systems Technician Certificate (MD71)- 16 Credit Hours

**Program Description:**

The Manufacturing Systems Technician certificate program prepares students to set up, operate, troubleshoot, maintain, and repair flexible manufacturing systems. Topics include flexible manufacturing system electrical, electronic, and mechanical principles; manufacturing control processes; basic maintenance procedures; and effective debugging and troubleshooting techniques. Students will have the opportunity to plan and prepare the construction and operation of a flexible automated system, as well as work in teams assembling and operating automated production system cells. 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 in this field are estimated to begin at \$48,180. (BLS.gov May 2022).

**Contact:**

**John Callaway, Program Chair**  
706-756-4677  
john.callaway@westgatech.edu

**Website:**

<https://www.westgatech.edu/program-explorer/manufacturing-and-production/precision-manufacturing-and-maintenance/>

<b>Pre-Certificate Requirements</b>					
Program Specific					
<ul style="list-style-type: none"> <li>Min GPA 2.0</li> <li>Carrollton, Coweta and LaGrange Campus</li> <li>Prerequisites – Minimum Grade of C required</li> </ul>					
<b>Set the Track, Start the Track, Stay on Track</b>					
<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
		IDSY 1101 DC Circuit Analysis	ALL	3	
		IDSY 1105 AC Circuit Analysis	ALL	3	
				<b>6</b>	<b>Program Semester Hours</b>
✓	Grade	Semester 2	S	CR	Notes & Milestones
		AUMF 1110 Flexible Manufacturing Systems I	ALL	5	
		AUMF 1210 Flexible Manufacturing Systems II	ALL	5	
				<b>10</b>	<b>Program Semester Hours</b>
Always check online <a href="https://www.westgatech.edu/">https://www.westgatech.edu/</a> 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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