



Automation and Robotics Technology Degree (AAR3)

Program Description:

The Automation and Robotics Technology Degree AAR3 program was designed to equip graduates with a versatile skill set for a variety of manufacturing positions that are industry driven, including Plant Maintenance Technician, Industrial Electrical Maintenance Technician, Mechanical Maintenance Technician, Mechatronics Technician, Control Technician, Robotics Technician, with the emphasis on installing, diagnosing, maintaining, and repairing electromechanical machinery and Robotics. The planned sequence of courses prepares students to complete the Associates Degree within two years. Automation and Robotics Technology positions have a starting salary \$65,000 a year. The current industry demand for Automation and Robotics Technicians is a high Priority in Industry as more companies add more Automation and Robotics to their production units. Our success rate with student placement is 100% of graduating students. If you enjoy working with your hands and taking things apart and learning how they work this program would be a great career choice.

Contact:

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Website:

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

Pre-Degree Requirements					
Program Specific					
<ul style="list-style-type: none"> Min GPA 2.0 Carrollton 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	Fall Semester 1	S	CR	Notes & Milestones
		IDSY 1101 DC Circuit Analysis	ALL	3	
		IDSY 1105 AC Circuit Analysis	FA SP	3	
		IDSY 1181 Fluid Power Systems	FA SU	4	
		MATH 1103 Quantitative Skills and Reasoning	ALL	3	
				14	Program Semester Hours
✓	Grade	Spring Semester 2	S	CR	Notes & Milestones
		AUMF 1560 Manufacturing Product Requirements	ALL	1	
		IDSY 1112 Motor Controls I	FA SP	4	Prerequisites IDSY 1101 and 1105
		IDSY 1170 Industrial Mechanics	SP	4	
		IDSY 1005 Introduction to Mechatronics	SP	4	
				13	Program Semester Hours

✓	Grade	Summer Semester 3	S	CR	Notes & Milestones
		ENGL 1101 Composition and Rhetoric	ALL	3	
		SOCI 1101 Introduction to Sociology	ALL	3	
		HUMN 1101 Introduction to Humanities	ALL	3	
				9	Program Semester Hours
✓	Grade	Fall Semester 4	S	CR	Notes and Milestones
		IDSY 1113 Motor Controls II	FA	4	Prerequisite IDSY 1112
		IDSY 2000 PLC I	FA	4	Prerequisite IDSY 1112
		IDSY 2000 PLC II	FA	4	
		SPCH 1101 Public Speaking	ALL	3	
				15	Program Semester Hours
✓	Grade	Spring Semester 5	S	CR	Notes and Milestones
		AUMF 1150 Introduction to Robotics	SP	3	Prerequisites IDSY 2000
		AUMF 1580 Automated Manufacturing Skills	SP	3	
		IDSY 1230 Instrumentation	SP	4	
		IDSY 1240 Maintenance for Reliability	ALL	4	
				14	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/Available-Financial-Aid-by-Program.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.