



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:

Matt Beach, Instructor
770-836-4707
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Website:

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

Campus:

Carroll, Coweta, and LaGrange campus

| 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 Prerequisite must be passed with a "C" or higher |
| | | 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 | FA, SP | 3 | |
| | | | | 14 | Program Semester Hours |
| ✓ | Grade | Semester 2 | S | CR | Notes & Milestones Prerequisite must be passed with a "C" or higher |
| | | AUMF 1560 Manufacturing Product Requirements | ALL | 1 | |
| | | IDSY 1112 Motor Controls I -OR- IDSY 1110 | FA, SP | 4 | Prerequisite IDSY 1101, IDSY 1105 |
| | | IDSY 1171 Industrial Mechanics -OR- IDSY 1170 | FA, SP | 4 | |
| | | IDSY 1005 Introduction to Mechatronics | FA, SP | 4 | |
| | | | | 13 | Program Semester Hours |
| ✓ | Grade | Semester 3 | S | CR | Notes & Milestones Prerequisite must be passed with a "C" or higher |
| | | ENGL 1101 Composition and Rhetoric | ALL | 3 | |
| | | SOCI 1101 Introduction to Sociology | ALL | 3 | |
| | | SPCH 1101 Public Speaking | ALL | 3 | |
| | | | | 9 | Program Semester Hours |

| ✓ | Grade | Semester 4 | S | CR | Notes and Milestones Prerequisite must be passed with a "C" or higher |
|---|-------|---|--------|-----------|--|
| | | IDSY 1113 Motor Controls II - OR - IDSY 1210 | ALL | 4 | Prerequisite IDSY 1112 |
| | | IDSY 2000 PLC I - OR - IDSY 1120 | FA, SP | 4 | Prerequisite IDSY 1112 |
| | | IDSY 2000 PLC II - OR - IDSY 1220 | FA, SP | 4 | |
| | | HUMN 1101 Introduction to Humanities | ALL | 3 | Prerequisite ENGL 1101 |
| | | | | 15 | Program Semester Hours |
| ✓ | Grade | Semester 5 | S | CR | Notes and Milestones Prerequisite must be passed with a "C" or higher |
| | | AUMF 1150 Introduction to Robotics | ALL | 3 | Prerequisite IDSY 2000 |
| | | AUMF 1580 Automated Manufacturing Skills | ALL | 3 | |
| | | IDSY 1230 Instrumentation | FA, 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/financial-aid/types-of-aid/>

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, Assistant Vice President of Student Affairs 770.537.5722, 176 Murphy Campus Blvd., Waco, GA 30182; ADA (Section 504) Coordinators: Students: Zelma Jones, Career and Student Support Services Director, 770.824.5245, 176 Murphy Campus Blvd., Waco, GA 30182, Student504@westgatech.edu, Employees: Teresa Jiles, Assistant Director of Human Resources, 770.537.6056, 176 Murphy Campus Blvd., Waco, GA 30182, wgtCHR@westgatech.edu.