



Industrial Automation Technology Certificate

Advisors – Ayers Campus: Tony Thrower, Electrical Building (256.835.5441) tthrower@gadsdenstate.edu;

East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

	STUDENT PROGRESS	
	<u>Grade</u>	<u>Term Completed</u>
Area I — Written Composition:		
• ENG 101 - English Composition I	_____	_____
Area II — Humanities and Fine Arts:		
Area III — Natural Science or Mathematics:		
• MTH 100 - Intermediate College Algebra OR numerically higher.....	_____	_____
Area IV — History, Social and Behavioral Sciences:		
Area V – Technical Courses:		
• ACR 111 - Principles of Refrigeration	_____	_____
• ACR 112 - HVACR Service Procedures	_____	_____
• CIS 146 - Microcomputer Applications.....	_____	_____
• DDT 104 - Basic Computer Aided Drafting and Design OR MDT 105 - Introduction to Computer-Aided Design (CAD)	_____	_____
• * EET 100 - Introduction to Engineering Technologies	_____	_____
• ELT 110 - Wiring Methods	_____	_____
• INT 101 - DC Fundamentals	_____	_____
• INT 103 - AC Fundamentals	_____	_____
• INT 113 - Industrial Motor Control I.....	_____	_____
• * INT 117 - Principles of Industrial Mechanics	_____	_____
• * INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics	_____	_____
• * INT 126 - Preventive Maintenance	_____	_____
• * INT 127 - Principles of Industrial Pumps and Piping Systems.....	_____	_____
• INT 180 - Special Topics.....	_____	_____
• INT 184 - Introduction to Programmable Logic Controllers OR ELT 231 - Introduction to Programmable Controllers.....	_____	_____
• * INT 158 - Industrial Wiring I OR ELT 118 - Commercial/Industrial Wiring I	_____	_____
• INT 291 – Cooperative Education	_____	_____
• INT 296 – Co-Op	_____	_____
• INT 298 – Co-Op	_____	_____
• * ORI 101 - Orientation to College.....	_____	_____
• SPH 106 - Fundamentals of Oral Communication	_____	_____
• Approved Area V Electives	_____	_____
Please see Industrial Automation Technology A.A.S. Area V for available courses.		

***Required Courses**

Total Hours Required for Certificate: 43

NOTICE(s): For the certificate in Industrial Automation Technology, the student must complete at least 43 credit hours – at least 37 in technical courses and at least 6 in general education courses –all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.