

# Industrial Automation Technology Certificate

**Advisors - Ayers Campus:** Wesley Beecham, Electrical Building (256.835.5441) [wbeecham@gadsdenstate.edu](mailto:wbeecham@gadsdenstate.edu);  
Tarina VanNatta, Computer Science Building (FAME) (256.835.5457) [tvannatta@gadsdenstate.edu](mailto:tvannatta@gadsdenstate.edu);

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

NOTICE(s): For the certificate in Industrial Automation Technology, the student must complete at least 44 credit hours – at least 38 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 below. Admission Requirement: High school diploma or GED.

The courses in this program of study may not be offered every semester. It is important to consult with your advisor to determine course schedules to stay on track to graduate.

## Area I – Written Composition

Item #	Title	Hours	Grade	Term Completed
ENG 101	English Composition I	3		
	Sub-Total Credits	3		

## Area III – Natural Sciences and Mathematics

Item #	Title	Hours	Grade	Term Completed
	MTH 100: Intermediate College Algebra	3		
	OR numerically higher			
	Sub-Total Credits	3		

## Area V - Required Technical Courses

Item #	Title	Hours	Grade	Term Completed
EET 100	Introduction to Engineering Technologies	3		
INT 117	Principles of Industrial Mechanics	3		
INT 118	Fundamentals of Industrial Hydraulics and Pneumatics	3		
INT 126	Preventive Maintenance	3		
INT 127	Principles of Industrial Pumps and Piping Systems	3		
	ELT 118 or INT 158	3		
ORI 101	Orientation to College	1		
WKO 101	Workplace Skills Development I	1		
	Sub-Total Credits	20		

## Additional Coursework

Choose 18 credit hours from the following list:

Item #	Title	Hours	Grade	Term Completed
ACR 111	Principles of Refrigeration	3		
ACR 112	HVACR Service Procedures	3		
CIS 146	Computer Applications	3		
ELT 110	Wiring Methods	3		
	ELT 231 or INT 184	3		
	INT 101 or EET 103	3		
	INT 103 or EET 104	3		
INT 113	Industrial Motor Control I	3		
INT 180	Special Topics	2		
INT 291	Cooperative Education	3		
INT 296	Co-Op	1		
INT 297 A	Co-Op	1		
INT 297 B	Co-Op	1		
INT 297 C	Co-Op	1		
INT 298	Co-Op	2		
MDT 105	Introduction to Computer-Aided Design (CAD)	3		
SPH 106	Fundamentals of Oral Communication	3		
	Approved INT Elective	3		
	Sub-Total Credits	44		
		<b>44</b>		