



## Industrial Automation Technology Certificate

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		<b>STUDENT PROGRESS</b>	
		<u>Grade</u>	<u>Term Completed</u>
<b>Area I — Written Composition:</b> .....	<b>3</b>		
• ENG 101 - English Composition I .....	3		
<b>Area II — Humanities and Fine Arts:</b> .....	<b>0</b>		
<b>Area III — Natural Science or Mathematics:</b> .....	<b>3</b>		
• MTH 100 - Intermediate College Algebra <b>OR</b> numerically higher.....	3		
<b>Area IV — History, Social and Behavioral Sciences:</b> .....	<b>0</b>		
<b>Area V – Technical Courses:</b> .....	<b>37</b>		
• CIS 146 - Microcomputer Applications.....	3		
• INT 101 - DC Fundamentals .....	3		
• INT 103 - AC Fundamentals .....	3		
• INT 113 - Industrial Motor Control I.....	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		
• INT 180 - Special Topics.....	2		
• INT 184 - Introduction to Programmable Logic Controllers <b>OR</b> ELT 231 - Introduction to Programmable Controllers.....	3		
• * EET 100 - Introduction to Engineering Technologies .....	3		
• ELT 110 - Wiring Methods .....	3		
• * ELT 118 - Commercial/Industrial Wiring I <b>OR</b> INT 158 - Industrial Wiring I .....	3		
• ACR 111 - Principles of Refrigeration .....	3		
• ACR 112 - HVACR Service Procedures .....	3		
• DDT 104 - Basic Computer Aided Drafting and Design <b>OR</b> MDT 105 - Introduction to Computer-Aided Design (CAD) .....	3		
• * ORI 101 - Orientation to College.....	1		
• SPH 106 - Fundamentals of Oral Communication .....	3		
• Approved Area V Electives .....	3		

**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.