

Industrial Automation Technology A.A.S.

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		STUDENT PROGRESS	
		<u>Grade</u>	<u>Term Completed</u>
Area I — Written Composition:	3		
• ENG 101 - English Composition I	3		
Area II — Humanities and Fine Arts:	3		
• Humanities and Fine Arts Elective**	3		
Area III — Natural Science or Mathematics:	6		
• INT 104 - Principles of Technology	3		
• MTH 100 - Intermediate College Algebra OR numerically higher.....	3		
Area IV — History, Social and Behavioral Sciences:	3		
• Economics, Geography, History, Political Science, Psychology, or Sociology.....	3		
Area V — Technical Courses:	28		
Courses listed below are required.			
• EET 100 - Introduction to Engineering Technologies.....	3		
• EET 109 - Electrical Blueprint Reading I.....	3		
• ELT 110 - Wiring Methods	3		
• INT 101 - DC Fundamentals OR EET 103 - DC Fundamentals.....	3		
• INT 103 - AC Fundamentals OR EET 104 - 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 184 - Introduction to Programmable Logic Controllers OR ELT 231 - Introduction to Programmable Controllers.....	3		
• ORI 101 - Orientation to College.....	1		
Additional Coursework:	33		
• CIS 146 - Microcomputer Applications.....	3		
• * INT 126 - Preventive Maintenance	3		
• * INT 127 - Principles of Industrial Pumps and Piping Systems	3		
• INT 128 - Principles of Industrial Environmental Controls.....	3		
• * INT 134 - Principles of Industrial Maintenance Welding and Metal Cutting Techniques	3		
• INT 139 – Introduction to Robotic Programming.....	3		
• INT 153 - Precision Machining Fundamentals I.....	3		

	STUDENT PROGRESS	
	<u>Grade</u>	<u>Term Completed</u>
• INT 180 - Special Topics..... 2	_____	_____
• INT 206 - Industrial Motors I 3	_____	_____
• INT 211 - Industrial Motors II 3	_____	_____
• INT 252 - Variable Speed Motor Drives 3	_____	_____
• INT 253 – Industrial Robotics..... 3	_____	_____
• INT 280 - Special Topics in Industrial Maintenance Technology 3	_____	_____
• INT 291 - Cooperative Education..... 3	_____	_____
• INT 292 - Cooperative Education..... 3	_____	_____
• INT 293 - Cooperative Education..... 3	_____	_____
• ELT 114 – Residential Wiring Methods..... 3	_____	_____
• ELT 115 – Residential Wiring Methods II..... 3	_____	_____
• ELT 117 - AC/DC Machines..... 3	_____	_____
• * ELT 118 - Commercial/Industrial Wiring I OR		
INT 158 - Industrial Wiring I..... 3	_____	_____
• ELT 122 - Advanced AC/DC Machines..... 3	_____	_____
• ELT 183 - Special Topics in Electrical Technology- NCCER Certification 3	_____	_____
• ELT 212 - Motor Controls II..... 3	_____	_____
• ELT 232 - Advanced Programmable Controllers 3	_____	_____
• ELT 244 - Conduit Bending and Installation..... 3	_____	_____
• ACR 111 - Principles of Refrigeration 3	_____	_____
• ACR 112 - HVACR Service Procedures 3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR		
DDT 104 –Basic Computer-Aided Drafting and Design 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____

***Required Courses**

Total Hours Required for Degree:..... 76

NOTICE(s): For the A.A.S. Degree in Industrial Automation Technology, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.