

Industrial Systems Technology

Associates of Applied Science (AAS)

A50240

FIRST SEMESTER

COURSE NUMBER	TITLE	CONTACT HOURS	CREDITS
<u>ACA 115</u>	Success and Study Skills	1	1
<u>ELC 111</u>	Introduction to Electricity	4	3
<u>ELC 120</u>	Introduction to Wiring	4	3
<u>ELC 125</u>	Diagrams and Schematics	3	2
<u>ELC 127</u>	Software for Technicians	4	2
<u>ENG 111</u>	Writing and Inquiry	3	3
<u>WLD 112</u>	Basic Welding Processes	4	2
	Total Credit Hours:		16

SECOND SEMESTER

COURSE NUMBER	TITLE	CONTACT HOURS	CREDITS
<u>DFT 151</u>	CAD I	5	3
<u>ELN 229</u>	Industrial Electronics	6	4
<u>HYD 110</u>	Hydraulics/Pneumatics I	5	3
<u>MEC 111</u>	Machine Processes I	5	3
Choose ONE of the Following Courses: MAT 110: Mathematical Measurement and Literacy MAT 143: Quantitative Literacy MAT 171: Precalculus Algebra BIO 110: Principles of Biology		4	3-4
Total Credit Hours:			16 - 17

THIRD SEMESTER

COURSE NUMBER	TITLE	CONTACT HOURS	CREDITS
Choose ONE of the Following Courses			
ART 111, 114, 116, HUM 110, 115 121, 122, MUS 110, 112, REL 110, 211, 212		3	3
<u>ISC 121</u>	Environmental Health & Safety	3	3
<u>MNT 110</u>	Introduction to Maintenance Procedures	4	2
	Total Credit Hours:		8

FOURTH SEMESTER

COURSE NUMBER	TITLE	CONTACT HOURS	CREDITS
<u>ATR 280</u>	Robotic Fundamentals	5	4
<u>ELC 128</u>	Introduction to Programmable Logic, Controller	5	3
<u>ELC 130</u>	Advanced Motors/Controls	4	3
Choose ONE of the Following Courses: ENG 112: Writing/Research in the Disc ENG 115: Oral Communication COM 231: Public Speaking		3	3
Choose ONE of the Following Courses: OMT 222 OR WBL 111	Project Management	3	3
	Work-Based Learning I	1	1
Total Credit Hours:			14-16

FIFTH SEMESTER

COURSE NUMBER	TITLE	CONTACT HOURS	CREDITS
<u>AHR 120</u>	HVACR Maintenance	4	2
<u>ELN 260</u>	Prog Logic Controllers	6	4
<u>MEC 130</u>	Mechanisms	4	3
<u>MNT 240</u>	Industrial Equip Troubleshoot	4	2
Choose ONE of the Following Courses: PSY 150 OR SOC 210	General Psychology	3	3
	Intro to Sociology		
	Total Credit Hours:		14

TOTAL PROGRAM CREDIT HOURS: 68-72