

Curriculum Sequence Checklist
Industrial Systems Technology Diploma – D50240

Course and Hour Requirements:

First Semester (Fall)

Course:	Course Name:	Prereq/Coreq	Class	Lab	Clin/Exp	Credit
BPR 111	Print Reading	(None)	1	2		2
ENG 111	Writing and Inquiry	(DRE 098)	3	0		3
HYD 110	Hydraulics/Pneumatics I	(DMA 010, DMA 020, DMA 030)	2	3		3
EGR 125	Application Software for Tech	(NONE)	1	2		2
Semester Total						11-13

Second Semester (Spring)

Course:	Course Name:	Prereq/Coreq	Class	Lab	Clin/Exp	Credit
ISC 112	Industrial Safety		2	2		2
AHR 112	Heating Technology	(NONE)	2	4		4
ELC 115	Industrial Wiring	(NONE)	2	6		4
MAT 110	Mathematical Measurement	(DMA 010, DMA 020, DMA 030)	2	2		3
OR		(DMA 010, DMA 020, DMA 030, DMA 040, DMA 050 & DMA 060)				
MAT 121	Algebra/Trigonometry I		3	2		4
MNT 110	Intro. to Maintenance Proceed.		1	3		2
WLD 112	Basic Welding Processes		1	3		2
Semester Total						12-14

Third Semester (Summer)

Course:	Course Name:	Prereq/Coreq	Class	Lab	Clin/Exp	Credit
ELC 111	Intro. to Electricity	(None)	2	2		3
Or						
ELC 131	Circuit Analysis I	(ELC 131A Coreq)	3	3		4
Elective	Choose 2-4 hours from list	(Course dependant)	0-3	0-6	0	3-5
Semester Total						6-9

Fourth Semester (Fall)

Course:	Course Name:	Prereq/Coreq	Class	Lab	Clin/Exp	Credit
MAC 141	Machining Applications	(none)	2	6		4
Elective	Choose 2-4 hours from list	(Course dependant)	0-3	0-6	0	3-5
Semester Total						7-9

9-11

Course and Hour Requirements:

Other Major Elective Courses (Select 12-14 Hours from the following courses)

Course:	Course Name:	Prereq/Coreq	Class	Lab	Clin/Exp	Credit
AHR 110	Intro. To Refrigeration	(None)	2	6		5
AHR 112	Heating Technology	(NONE)	2	4		4
ATR 280	Robotic Fundamentals	(None)	3	2		4
DFT 151	CAD I	(Cis 110 <i>or</i> CIS113 <i>or</i> Egr 125)	3	2		3
ELC 113	Residential Wiring	(NONE)	2	6		4
ELC 115	Industrial Wiring	(NONE)	2	6		4
ELC 117	Motors and Controls	(ELC 111 <i>or</i> ELC 112 <i>or</i> ELC 131)	2	6		4
ELC 131A	Circuit Analysis I Lab	(ELC 131 Coreq)	0	3		1
ELN 260	Pro Logic Controllers	(None)	3	3		4

Total Hours for Graduation	40-44
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