

Curriculum Sequence Checklist
Industrial Systems Technology Diploma – D50240

Course and Hour Requirements:

			<u>Prereq/Coreq</u>	<u>Class</u>	<u>Lab</u>	<u>Clin/Exp</u>	<u>Credit</u>
First Semester (Fall)							
BPR	111	Print Reading	(None)	1	2	0	2
ENG	110	Freshman Composition	(DRE 097)	3	0	0	3
OR							
ENG	111	Writing and Inquiry	(DRE 098)	3	0	0	3
HYD	110	Hydraulics/Pneumatics	(DMA 110, DMA 020, & DMA 030)	2	3	0	3
EGR	125	Appl Software for Tech	(None)	1	2	0	2
***	***	Elective (See list below)	(Course dependent)	2-3	0-6	0	<u>5-7</u>
Semester Total							11-13
Second Semester (Spring)							
ISC	112	Industrial Safety	(None)	2	2	0	2
MAT	110	Mathematical Measurement	(DMA 110, DMA 020, & DMA 030)	2	2	0	3
Or							
MAT	121	Algebra/Trigonometry I	(DMA 010, DMA 020, DMA 030, DMA 040, DMA 0050, and DMA 060)	2	2	0	3
MNT	110	Intro. to Maintenance Proced.	(None)	1	3	0	2
WLD	112	Basic Welding Processes	(None)	1	3	0	2
***	***	Elective (See list below)	(Course dependent)	2-3	0-6	0	<u>3-5</u>
Semester Total							12-14
Third Semester (Summer)							
ELC	111	Intro. to Electricity	(None)	2	2	0	3
Or							
ELC	131	Circuit Analysis	(None)	3	3	0	4
***	***	Elective (See list below)	(Course dependent)	2-3	0-6	0	<u>3-5</u>
Semester Total							6-9
Fourth Semester (Fall)							
MAC	141	Machining Applications I	(None)	2	12	0	6
***	***	Elective (See list below)	(Course dependent)	2-3	0-6	0	<u>3-5</u>
Semester Total							9-11

April 2017

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Electives							
<i>(Choose 12-14 hours from the following courses)</i>							
AHR	110	Intro. to Refrigeration	(None)	2	6	0	5
AHR	112	Heating Technology	(None)	2	4	0	4
ATR	280	Robotic Fundamentals	(None)	3	2	0	4
DFT	151	CAD I	(CIS 110 <i>Or</i> CIS 113 <i>Or</i> EGR 125)	2	3	0	3
ELC	113	Basic Wiring	(None)	2	6	0	4
ELC	115	Industrial Wiring	(ELC 111, ELC 113 or ELC 131)	2	6	0	4
ELC	117	Motors and Controls	(ELC 111, ELC 112, <i>Or</i> ELC 131)	2	6	0	4
ELC	131A	Circuit Analysis I Lab	(ELC 131)	0	3	0	1
ELN	260	Prog Logic Controllers	(None)	2	3	0	3
Total Hours for Graduation							40-44

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