

**Curriculum Sequence Checklist
Industrial Systems Technology – A50240**

Course and Hour Requirements:

			<u>Prereq/Coreq</u>	<u>Class</u>	<u>Lab</u>	<u>Clin/Exp</u>	<u>Credit</u>
First Semester (Fall)							
ACA	122	College Transfer Success	(None)	0	2	0	1
AHR	110	Intro. to Refrigeration	(None)	2	6	0	5
BPR	111	Print Reading	(None)	1	2	0	2
EGR	125	Appl Software for Tech	(None)	1	2	0	2
ELC	113	Basic Wiring	(None)	2	6	0	4
MAT	121	Algebra/Trigonometry I	(DMA 010, DMA 020, 2 DMA 030, DMA 040, DMA 0050, and DMA 060)	2	2	0	3
OR							
MAT	171	Precalculus Algebra	(DMA 010, DMA 020, 3 DMA 030, DMA 040, DMA 0050, DMA 060 DMA 0070, and DMA 080 or MAT 121)	3	2	0	<u>4</u>
Semester Total							17 or 18
Second Semester (Spring)							
AHR	112	Heating Technology	(None)	2	4	0	4
ELC	115	Industrial Wiring	(ELC 111 Or ELC 112 Or ELC 113 Or ELC 131)	2	6	0	4
ENG	110	Freshman Composition	(DRE 097)	3	0	0	3
OR							
ENG	111	Writing and Inquiry	(DRE 098)	3	0	0	3
ISC	112	Industrial Safety	(None)	2	2	0	2
MNT	110	Intro. to Maintenance Proced.	(None)	1	3	0	2
WLD	112	Basic Welding Processes	(None)	1	3	0	<u>2</u>
Semester Total							17
Third Semester (Summer)							
ELC	111	Intro. to Electricity	(None)	2	2	0	3
Or							
ELC	131	DC/AC Electricity	(ELC 131A Coreq)	3	3	0	4
ELN	260	Prog Logic Controllers	(None)	3	3	0	<u>4</u>
Semester Total							7-8
Fourth Semester (Fall)							
ATR	280	Robotic Fundamentals	(None)	3	2	0	4
COM	110	Intro. to Communication	(ENG 080)	3	0	0	3
Or							
COM	231	Public Speaking	(RED 090)	3	0	0	3
HYD	110	Hydraulics/Pneumatics	(DMA 110, DMA 020, 2 & DMA 030)	2	3	0	3

April 2017

MAC 141	Machining Applications I	(None)	2	6	0	4
Elective	Choose 2 - 4 hours from list	(Course Dependent)	0-3	0-6	0	0 - 4
Semester Total						14 - 18

Fifth Semester (Spring)

DFT 151	CAD I	(CIS 110 <i>Or</i> CIS 113 <i>Or</i> EGR 125)	2	3	0	3
HUM/FA	Hum/Fine Arts Core Elective	(Course Dependent)	3	0	0	3
ELC 117	Motors and Controls	(ELC 111, ELC 112, <i>Or</i> ELC 131)	2	6	0	4
SOC/BEH	Social/Beh. Sci. Core Elective	(Course Dependent)	3	0	0	3
Elective	Choose 2 - 4 hours from list	(Course Dependent)	0-3	0-6	0	<u>0 - 4</u>
Semester Total						13 - 17

Other Major Elective Courses (Select 4 Hours from the following courses)

ATR 281	Automation Robotics	(ATR 280)	3	2	0	4
ELC 131A	Circuit Analysis I Lab	(ELC 131 Coreq)	0	3	0	1
ELC 228	PLC Applications	(ELN 260)	2	6	0	4
MAC 121	Introduction to CNC	(None)	2	0	0	2
MAC 141A	Machining Application I Lab	(Mac 141)	0	6	0	2

Total Hours for Graduation**72-74**

Advisors:	Ricky Joyner	Troy Bennett
	Office Bldg. B-2147	Office Bldg. C-3008
	252-451-8309	252-451-8282
	rwjoyner394@nashcc.edu	dtbennett737@nashcc.edu

April 2017