

Industrial Systems Technology – A50240

Curriculum Checklist 2025-2026 Catalog Year - Present

Developmental Courses

Figure 1: Overview of developmental courses that are required for 100 level English and math courses.

ENG 025
MAT 035

1st Semester (Full Time Student)

Figure 2: Overview of 1st semester (Fall) courses [17 credit hours]

✓	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite :	Notes:
	ACA 115 Or ACA 122	Success and Study Skills	1			
	ELC 131	Circuit Analysis I	4		ELC 131A	
	ELC 131A	Circuit Analysis I Lab	1			
	BPR 111	Print Reading	2			
	EGR 125	Application Software for Technology	2			
	ELC 113	Residential Wiring	4			
	ENG 110 OR ENG 111	Freshman Composition Or Writing and Inquiry	3 3	DRE 097 or ENG 025 OR DRE 098 or ENG 025		

2nd Semester (Full Time Student)

Figure 3: Overview of 2nd semester (Spring) courses [15-16 credit hours]

✓	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite :	Notes:
	AHR 112	Heating Technology	4			
	ELC 115	Industrial Wiring	4	ELC 113 or ELC 131 & ELC 131A		
	MAT 121 Or MAT 171	Algebra/Trigonometry I Or Precalculus Algebra	3 4			
	MNT 110	Intro. To Maintenance Proceed	2			

	WLD 112	Basic Welding	2			
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3rd Semester (Summer)

Figure 4: Overview of 3rd semester courses (10 credit hours)

✓	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	DFT 151	CAD I	3	CIS 110, CIS 113, or EGR 125		
	ELN 260	Pro Logic Controllers	4			
	COM 110 Or COM 231	Intro to Communications Or Public Speaking	3 3	DRE 098 or ENG 025		

4th Semester (Full Time Student)

Figure 5: Overview of 4th semester (Fall) courses [16 credit hours]

✓	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	ATR 280	Robotic Fundamentals	4			
	HYD 110	Hydraulics / Pneumatics I	3	DMA 030 or MAT 025		
	MAC 141	Machining Applications	4			
	AHR 110	Intro to Refrigeration	5			

5th Semester (Full Time Student)

Figure 6: Overview of 5th semester (Spring) courses [12 credit hours]

✓	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	ELC 117	Motors & Controls	4	ELC 111, ELC 112, or ELC 131		
		Humanities / Fine Arts Elective	3			
	ISC 112	Industrial Safety	2			
		Social/Behavioral Science	3			

Total Credit Hours Needed for Graduation: 70-71 Credit Hours

Questions? Contact:

Advisor: Eddie Daughtridge

Office: Building B 2147

Phone: 252-451-8222

Email: etdaughtridge695@nashcc.edu