

Student Name: _____ Student ID#: _____

Industrial Systems Technology Diploma – D50240 Checklist

2025-2026 Catalog Year - Present

Developmental Reading & English

ENG 025

Developmental Mathematics

MAT 035

1st Semester (Fall)

✓	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	BPR 111	Print Reading	2			
	ENG 110 OR ENG 111	Freshman Composition Or Writing and Inquiry	3 3	DRE 097 or ENG 025 OR DRE 098 or ENG 025		
	EGR 125	Application Software for Technology	2			
		Elective from list below	3-5			*Recommend ELC 113 for future course prerequisite

Total: 10-15 Credit Hours

2nd Semester (Spring)

✓	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	ISC 112	Industrial Safety	2			
	AHR 112	Heating Technology	4			
	ELC 115	Industrial Wiring	4	ELC 113 or ELC 131 & ELC 131A		
	MAT 121	Algebra / Trigonometry I	3	DMA 060 or MAT 035		*MAT 171 can be substituted
	MNT 110	Intro. To Maintenance Proceed.	2			
	WLD 112	Basic Welding	2			

Total: 19 credit hours

3rd Semester (Summer)

✓	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	ELC 131	Circuit Analysis I	4		ELC 131A	
	ELC 131A	Circuit Analysis I Lab	1		ELC 131	
		Elective from list below	3-5		Course	

					dependent	
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Total: 7-10 credit hours

4th Semester (Fall)

✓	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	MAC 141	Machining Applications	4			
	HYD 110	Hydraulics/Pneumatics I	3	DMA 030 or MAT 035		
		Elective from list below	3-5		Course dependent	

Total: 10-15 Credit Hours

Other Major Elective Courses

✓	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	AHR 110	Intro. To Refrigeration	5			
	AHR 112	Heating Technology	4			
	ATR 280	Robotic Fundamentals	4			
	DFT 151	CAD I	3	CIS 110 or CIS 113 or EGR 125		
	ELC 113	Residential Wiring	4			
	ELC 115	Industrial Wiring	4			
	ELC 117	Motors and Controls	4	ELC 111 or ELC 112 or ELC 131		
	ELC 131A	Circuit Analysis I Lab	1	ELC 131		
	ELN 260	Pro Logic controllers	4			

Total Credit Hours Needed For Graduation: 40-44 Credit Hours

Questions? Contact:

Advisor: Eddie Daughtridge

Office: Building B 2147

Phone: 252-451-8222

Email: etdaughtridge695@nashcc.edu