

**Program:** Heating, Ventilation and Air Conditioning

**Degree:** Certificate

**Program Learning Outcomes:**

1. Work safely and efficiently in the Heating, Ventilation and Air Conditioning field.
2. Be able to read, interpret, and understand literature essential for HVAC installations and equipment.
3. Establish efficiency in duct fabrication.
4. Establish proficiency in the act of installing ductwork and the subsequent systems in HVAC as it pertains to system efficiency.
5. Comply with industry/local codes, and adhere to EPA regulations as it pertains to refrigerant certification and proper handling.
6. Isolate, diagnose and repair electrical and mechanical problems in HVAC systems and components.
7. Demonstrate the ability to explain standard operation of systems and necessary repairs.
8. Demonstrate the proficiency in piping practices and the principles in such.

**Assessment Cycle:**

	AY 2018-2019	AY 2019-2020	AY 2020-2021	AY 2021-2022
<b>Outcome #1</b>	A	R	A	R
<b>Outcome #2</b>	A	R	A	R
<b>Outcome #3</b>	A	R	A	R
<b>Outcome #4</b>	A	R	A	R
<b>Outcome #5</b>	A	R	A	R
<b>Outcome #6</b>	A	R	A	R
<b>Outcome #7</b>	A	R	A	R
<b>Outcome #8</b>	A	R	A	R
<b>IELO</b>				

A = Assessment evidence collected

R = Reflect on data, action plan devised, prep year

## Program Curriculum Map

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	PROGRAM LEARNING OUTCOMES								IELO
	#1	#2	#3	#4	#5	#6	#7	#8	
SMTL 105	X, A	X							
SMTL 106	X	X, A	X	X					
SMTL 107	X	X	X, A	X					
SMTL 115	X	X	X	X, A					
HVAC 100	X	X		X	X, A	X	X	X	
HVAC 103	X	X		X	X	X	X, A	X	
HVAC 104	X	X, A		X	X	X	X	X	
HVAC 114	X	X		X	X	X	X	X, A	
HVAC 213	X	X	X	X, A	X	X	X		
REFG 215	X	X	X	X	X	X, A	X		
REFG 216	X	X, A	X	X	X		X		

X = Material introduced, reinforced, and/or opportunity to practice

A = Assessment evidence collected (e.g., lab activity, exam, paper, assignment, etc.)