



	470201		тет Літ	Cours	ES DEOI	IIDED A	ND IDEN	NTIFIED COMPET	ENCIES			
		- '		etencie		JIKED A	ND IDEN	Course	ENCIES			
1	2	3	4	5	6	7	8	Number	Course Title			
X	X	X	X	X	-	<del>'</del>	-	HART 1301	Basic Electricity for HVAC			
X	X	Λ	X	X			X	HART 1307	Refrigeration Principles			
X	X		Λ	Λ			Λ	HART 1356	EPA Recovery Certification			
								FLDT 4000	Preparation			
X	X	X	X	X				ELPT 1329	Residential Wiring			
X	X	X	X	X				ELPT 1325	National Electrical Code 1			
X	X	X	X	X			X	HART 1345	Gas and Electric Heating			
X	X	X	X	X				ELPT 1357	Industrial Wiring			
X	X	X	X	X				ELPT 1345	Commercial Wiring			
X	X	X	X	X			X	HART 2336	Air Conditioning Troubleshooting			
X	X	X	X	X				ELPT 2305	Motors and Transformers			
X	X	X	X	X				HART 2442	Commercial Refrigeration			
X	X	X	X	X				HART 2441	Commercial Air Conditioning			
X	X	X	X	X				ELPT 2325	National Electrical Code II			
X	X		X	X				ELPT 1321	Introduction to Electrical Safety and Tools			
X	X		X	X			X	HART 2349	Heat Pumps			
								COMPETENC	Y REFERENCES			
							8 Basic use of computers					
						7 Wo	7 Workplace Competencies: resources;					
						interpersonal skills; information; systems; and						
					technology.							
				6 Personal Qualities: A worker must display responsibility,								
				self-esteem, sociability, self-management, integrity, and								
				honesty.								
				5 Thinking Skills: A worker must think creatively, make decisions,								
				solve problems, visualize, know how to learn, and reason								
				effectively.								
				4 Speaking and Listening: Organize ideas and communicate orally;								
				receive, attend to, interpret, and respond to verbal messages and other								
		2 A!	cues		(h a m a t !	aa. Da-	forms le		no and approach			
				hmetic or Mathematics: Perform basic computations and approach								
				cal problems by choosing appropriately from a variety of mathematical								
	techniques.  2 <b>Writing</b> : Communicate thoughts, ideas, information, and messages in writing, and											

1 Reading: Locate, understand, and interpret written information in prose and in documents such

as manuals, graphs, and schedules.

## **SCANS Competencies Checklist**

## SCANS COMPETENCIES FOR PROGRAM Air Conditioning, Heating Refrigeration, and Electrical

Competency	Course where	Method of Assessment	Findings and Plans for					
	Competency is Assessed		Improvements					
1 READING: Locate, understand,	HART 1301, Hart 1307,	Quiz and examination	Assessment findings shows					
	ELPT 1321, ELPT 1329,	questions	that implementation of the					
in prose and in documents such	ELPT 1325, HART 1341,		newest edition of text books					
as manuals, graphs, and	ELPT 1357, ELPT 1345,		have helped students better					
schedules.	HART 2336, ELPT 2305,		understand published industry					
	HART 2442, HART 2441, ELPT 2325		information.					
2 WRITING: Communicate	HART 1301, Hart 1307,	Quiz and examination	Assessment in writing shows					
	ELPT 1321, ELPT 1329,	questions	that student graduating from					
messages in writing, and create	ELPT 1325, HART 1341,		high school have weaker					
documents such as letters,	ELPT 1357, ELPT 1345,		writing skills than older					
directions, manuals, reports,	HART 2336, ELPT 2305,		students. Remedy; increase					
graphs, and flow charts.	HART 2442, HART 2441, ELPT 2335		written exercises					
3 ARITHMETIC OR	HART 1301, ELPT 1329,	Classroom exercises, and	Assessment shows that					
MATHEMATICS: Perform basic	ELPT 1325, HART 1341,	guiz and examination	arithmetic skills are at the					
computations and approach	ELPT 1357, ELPT 1345,	questions	level needed for the industry					
practical problems by choosing	HART 2336, ELPT 2305,		lover needed for the inductry					
appropriately from a variety of	HART 2442, HART 2441,							
mathematical techniques.	ELPT 2325							
4 SPEAKING AND LISTENING:	HART 1301, Hart 1307	Classroom and lab exercises	Program have implemented					
Organize ideas and communicate			soft service skills to					
orally; receive, attend to,	HART 1341, ELPT 1357,		curriculum					
interpret, and respond to verbal	ELPT 1345, HART 2336,							
messages and other cues.	ELPT 2305, HART 2442,							
	HART 2441, ELPT 2325							
5 THINKING SKILLS: A worker	HART 1301, Hart 1307	Classroom exercises, and	Thinking skills have been					
must think creatively, make	ELPT 1329, ELPT 1325,	quiz and examination	improving due to more					
decisions, solve problems,	HART 1341, ELPT 1357,	questions	problem solving procedures					
visualize, know how to learn, and			added to simulation projects.					
reason effectively.	ELPT 2305, HART 2442, HART 2441, ELPT 2325							
6 PERSONAL QUALITIES: A	HART 2441, ELPT 2323							
worker must display								
responsibility, self-esteem,								
sociability, self-management,								
integrity, and honesty.								
7 WORKPLACE								
COMPETENCIES:								
resources;interpersonal skills;								
information; systems; and								
technology								
8 BASIC USE OF COMPUTERS	HART 1307, HART 2336	Classroom/computer lab	Computer simulation have					
	,	exercises	increased computer skills					
			towards student learning					
			outcomes					
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