MISSION STATEMENT AND STUDENT LEARNING OUTCOMES FOR:

Heating, Ventilation, Air Conditioning and Refrigeration

Review Year: 2024

Division:	Discipline/Program/Department:	Contact Person:
Technical Education	Heating, Ventilation, Air Conditioning and Refrigeration	**Otten, Keith**

Mission Statement

The Heating, Ventilation, Air Conditioning and Refrigeration (HVAR) Program embraces the college mission statement and provides for life-long learning opportunities to students seeking, or in the process of developing careers in the heating, ventilation, air conditioning and refrigeration industry. The program is committed to providing local industry with highly trained HVAR technicians. Graduates gain the knowledge necessary to meet the everchanging needs of the industries in our district. Through a system that assesses the performance and progress of each student during the pursuit of his/her professional development, the program ensures that its students learn what the profession requires.

Program/Discipline Curriculum Map

I = Introduce: Student is first exposed to the concept/idea and is requested to apply the concept in a limited scope.
E = Emphasize: Student applies concept(s) in varying/multiple situations of greater complexity than when initially introduced.
R = Reinforce: Student may be expected to understand the concept upon taking the course and utilizes the concept in conjunction with other concepts/ideas to solve problems.

Program/Discipline Outcomes	***Course Prefix and Number***																								
Graduates of this program or discipline shall be able to:	HVAR 100	HVAR 101	HVAR 103	HVAR 152	HVAR 153	HVAR 201	HVAR 202	HVAR 203	HVAR 206*	HVAR 208	HVAR 210	HVAR 211	HVAR 251	HVAR 252	HVAR 253	HVAR 256	HVAR 257	HVAR 258	HVAR 260	HVAR 262	HVAR 263	HVAR 280				
Demonstrate safe and professional behaviors including the use and safe handling of refrigerants.	I	I	I	E	E	E	E	E			E	E	R	R	R	R	R	R	R	R	R	R				
Demonstrate competency in the use of HVAR tools and service equipment commonly used in the field.	I	I	I	E	E		E	R		E	E	E	R			R	R			R	R	R				
Demonstrate competency in the design and sizing of residential and commercial HVAR equipment.		I		I	I	I	I	E		E			R	R												
Describe how HVAR systems operate using industry standard terminology.	I	I	I	E	E	E	E	E					R	R	R	R	R			R	R	R				

Map Comments:

*Class is set to be removed.

Core Competency Map

Core Competencies	***Course Prefix and Number***																								
Communication Skills	HVAR 100	HVAR 101	HVAR 103	HVAR 152	HVAR 153	HVAR 201	HVAR 202	HVAR 203	HVAR 206*	HVAR 208	HVAR 210	HVAR 211	HVAR 251	HVAR 252	HVAR 253	HVAR 256	HVAR 257	HVAR 258	HVAR 260	HVAR 262	HVAR 263	HVAR 280				
1. Computer Literacy										X																
2. Oral Communications			X																							
3. Writing																										
Reasoning Skills																										
4. Critical Thinking																										
5. Quantitative Literacy						X																				
Citizenship																										
6. Personal Accountability																										
7. Civic And Social Accountability																										