

# Career-Technical Education Advanced Technical Certificate Degree Plan

## HEATING, VENTILATION & AIR COND. PROGRAM CHECK SHEET | HVAC Major | CIP Code: 47.0201

Heating, Ventilation, Air Conditioning, & Refrigeration is a program of study that prepares individuals to work in engineering departments or private firms installing, maintaining, and operating small or medium air conditioning, heating, and refrigeration systems.

### Admission Requirements

Students must submit a composite score of 14 or higher on the ACT. Students who do not have an ACT score, must score at the 9<sup>th</sup> grade level or higher on the TABE, Form 9/10 to be admitted to the program. Exceptions may be made with instructor permission for students who do not meet entrance requirements. Students who are returning to the program after an absence of a semester or more must graduate under the current catalog requirements.

REQUIRED COURSES:		Prev. Taken	FALL 20__	SPRING 20__	FALL 20__	SPRING 20__
<b>FIRST SEMESTER FRESHMAN</b>						
ACT 1003 Intro to Heating and Air Conditioning Technology	3 hrs.					
ACT 1124 Basic Compression Refrigeration	4 hrs.					
ACT 1133 Brazing & Piping	4 hrs.					
ACT 1713 Electricity for HVAC/R	3 hrs.					
<b>SECOND SEMESTER FRESHMAN</b>						
ACT 1313 Refrigeration System Components	3 hrs.					
ACT 1215 Controls	5 hrs.					
ACT 2415 Air Conditioning I	5 hrs.					
ACT 2433 Refrigerant, Retrofit, & Regulations	3 hrs.					
<b>FIRST SEMESTER SOPHOMORE</b>						
ACT 2325 Commercial Refrigeration	5 hrs.					
ACT 2514 Heating Systems	4 hrs.					
ACT 2913 Special Projects	3 hrs.					
<b>SECOND SEMESTER SOPHOMORE</b>						
ACT 2425 Air Conditioning II	5 hrs.					
ACT 2624 Heat Load Calculation & Air Properties	4 hrs.					
ACT 2913 Special Projects	3 hrs.					
<b>RECOMMENDED ELECTIVES:</b>						
ACT 292(1-6) Supervised Work Experience	1-6 hrs.					
LLS 1723 Employment Readiness	3 hrs.					
<b>TOTAL HOURS:</b>		<b>54 HRS.</b>				
<b>NOT ALL COURSES ARE REQUIRED IF TRANSFERRING TO AN INSTITUTION OF HIGHER LEARNING.</b>	<b>Total Hours</b> <b>54</b>					
	<b>Advisor Initials</b>					
	<b>Date</b>					