



Curriculum Plan 2024-2025

Program: Heating, Ventilation, and Air Conditioning

CTSO Primary: SkillsUSA 4

CTSO Secondary: SkillsUSA 4

Pathway: DE

WebXam: 27MC

Courses Offered

Level 1 Curriculum

Semester 1 Construction Tech Core And Sustainable Construction

Semester 2 Heating And Cooling Systems

Level 2 Curriculum

Semester 1 Hvac Refrigeration

Semester 2 Sheet Metal

Level 2-Advanced Placement Curriculum

Semester 2 Construction Capstone

Level 2-Pre-Apprenticeship 2 Week Rotation Curriculum

Semester 1 Hvac Refrigeration

Semester 1 Pre-apprenticeship

Semester 2 Hvac Refrigeration

Semester 2 Pre-apprenticeship

College Credits Available

Name	College	Semester Hours Available
CAT 1810 Construction Techniques I	Sinclair College	3
CTS001 Safety OSHA 10, Must earn Certification to earn the CTAG and College Credit, CAT 1431 OSHA 10	CTAG and Sinclair College	1
HVA 1201 Basic HVAC Systems with Cooling (Copy of EPA Section 608 Certification must be submitted to Sinclair to earn college credit)	Sinclair College	3
HVA 1241 HVAC Installation Techniques & Practices	Sinclair College	3

Credentials Available

Name	ODE Points Available
NCCER Core Certification	6
OSHA (Occupational Safety and Health Administration) 10-Hour Training	1
Environmental Protection Agency (EPA) - Refrigerant Recovery Core + Level 1 (Small Appliances)	12
Environmental Protection Agency (EPA) - Refrigerant Recovery Core + Level 2 (High Pressure)	12
Environmental Protection Agency (EPA) - Refrigerant Recovery Core + Level 3 (Low Pressure)	12
Environmental Protection Agency (EPA) - Refrigerant Recovery Universal	12
NCCER Level I - HVAC Certification	6
Ohio State Apprenticeship Council Recognized Pre-Apprenticeship Program Certificate of Completion	12