



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 |