



2020-21 Program Curriculum Plan



WebXam (Technical Skill Attainment)

Program: **Heating, Ventilation, and Air Conditioning**

Dept: TIG

Area of Concentration: DE

Tech Prep Code: 4

Below is the list of WebXams required for state reporting: 27MC

Test	Grade	Test Name	Is there a college course aligned to this HS course?
178000	11	Construction Tech Core and Sustainable Const	Yes
178014	11	Sheet Metal	No
178012	12	Heating and Cooling Systems	Yes
178013	12	HVAC Refrigeration	No

Industry Credentials/Certifications (Prepared for Success)

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Industry Credentials offered within Career Technical Program	Completed during Grade	Semester 1, 2
Environmental Protection Agency (EPA) - Refrigerant Recovery Core + Level 1 (Small Appliances) (12 Points)	12	2
Environmental Protection Agency (EPA) Refrigerant Recovery Core + Level 2 (High Pressure) (12 Points)	12	2
Environmental Protection Agency (EPA) - Refrigerant Recovery Core + Level 3 (Low Pressure) (12 Points)	12	2
Environmental Protection Agency (EPA) - Refrigerant Recovery Universal (12 Points)	12	2
NCCER Core Certification (6 Points)	11	1
NCCER Level I Certification (6 Points)	12	1
NCCER Level II, HVAC (No ODE Points)	12	2
Basic HVAC Systems w/Cooling EPA Section 608 (No ODE Points)	12	2
ICE Exam (No ODE Points)	12	2
Pre-Apprenticeship Certification (12 Points)	12	2

On Campus students can earn the following certifications if they choose to take certain elective courses:

Certified Logistic Associate (CLA)

Occupational Safety and Health Administration (OSHA) 10-Hour Training



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College Credits (Prepared for Success)

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College courses are available through: Sinclair College

College Credit potentially earned within Career Tech Program	Credit Hours	Completed during Grade	Semester 1, 2
CAT 1810 Construction Techniques I (NCCER Core) (SC)	3	11	1
HVA 1201 Basic HVAC Systems with Cooling EPA Section 608 (SC)	3	12	1

Optional college credits that can be earned through an academic or elective course on campus are from Clark State Community College or Sinclair College.

- BIO 1107/1108 Human Biology with Lab (3)
- BIS 1400 Customer Service (3)
- CHE 1111/1151 Intro to Chemistry (4)
- COM 2211 Effective Public Speaking (3)
- ENG 1111 English Composition I (3)
- ENG 1112 English Composition II (3)
- ENG 2040 Great Books (3)
- FIN 2450 Personal Finance (3)
- MAT 1110 Math for Technologists (3)
- MAT 1130 Allied Health Mathematics (3)
- MTH 1340 Pre-Calculus (5)
- MTH 2200 Calculus (5)
- STT 2640 College Statistics (3)
- STT 2650 College Stats (2)

Additional articulation agreements for this program are available with the following colleges, contact the department supervisor for more details:

N/A
