

COLLEGE: **Sinclair Community College**

CAREER FIELD: **Construction Technologies**

HIGH SCHOOL(S): **Ponitz CTC, Greene CCC,**

PATHWAY: **Environmental Control Technologies**



Kettering Fairmont, Stebbins,

PROGRAM: **Heating, Ventilating, Air Conditioning, & Refrigeration Engineering Tech**

Miami Valley CTC, Warren CCC

106 SCC Credit Hours - Associate of Applied Science

HIGH SCHOOL	Freshman	English I (1)	Integrated Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) P E (.5)	Career Exploration	Elective (1)
	Sophomore	English II (1)	Geometry or Algebra II (1)	Biology (1)	American History (1)	Intro to Engineering Design (1)	P E (.5)	Elective (1)
	Junior	English III (1)	Algebra II or Adv Algebra II & Trigonometry (1)	Conceptual Physics or Physics I (1)	American Government (.5) Social Studies Elective (.5)	College Tech Prep Construction Tech (1)	College Tech Prep Construction Tech (1)	Technology Word & Excel (.5) Art (.5)
	Senior	English IV (1)	Pre College Math (1)	Chemistry (1)	Elective (1)	College Tech Prep Construction Tech (1)	College Tech Prep Construction Tech (1)	Elective (1)

Take Accuplacer (reading, math, and writing). Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.

COLLEGE	1st Quarter	■ ETD 199 (2) Intro to CAD Concepts	MAT 131 (5) Technical Mathematics I	■ HVA144 (3) Intro to HVAC Systems	CAT139 (2) Mechanical System Blueprint Reading	■ ETD198 (2) Personal Comp Appl for Engr	SCC 101 (2) Student Success Experience	EET 120 (3) Intro to AC/DC Circuits
	2nd Quarter	● COM 206 (3) Interpersonal Communications	● MAT 132 (5) Technical Mathematics II	HVA170 (5) Air & Water Distribution Systems	HVA 184 (3) Basics of Cooling & Cooling Systems	CAT 139 (2) Mech Systems Blueprint Reading		
	3rd Quarter	HVA 250 (3) Industrial Process Exhaust	HVA 180 (3) Boilers in the HVAC Systems	● PHY 131 (4) Technical Physics I	HVA 174 (5) Psychrometrics Load Calculations	ETD 261 (2) Adv Analytical Tools for Eng Tech		
	4th Quarter	HVA 253 (3) Advanced HVAC Applications	HVA 240 (3) Principles of Process Control	CAT 202 (3) Intro to Revit MEP	HVA 186 (3) Modern Refrigeration Prac	● ENG 111 (3) English Composition I	CAT 131 (3) Properties of Con Materials	
	5th Quarter	◆ CAT 145 (1) Intro to OSHA	HVA 272 (3) Mechanical Cost Estimating	HVA 276 (3) Current Topics in HVAC	HVA 243 (3) Controls for Bldg HVAC Systems	HVA 254 (3) Advanced HVAC Applications II	● ENG 112 (3) English Comp II	ETD 121 (2) Ethics for Engr Professionals
	6th Quarter	HVA 177 (3) Testing, Adjusting & Balancing HVAC	HVA 278 (6) HVAC Application Capstone Project	OPT 101 (3) Intro to Operations	Social & Behavioral Sciences Elective (3)	Arts & Humanities Elective (3)		



Sinclair converts to semesters in 2012-2013.
Visit www.sinclair.edu/semesters for new
course names and credit hours.

Credit-Based Transition Programs, such as dual enrollment, articulated courses 2+2 (+2)

◆ = high school to college ● = community college to 4 year institution ■ = opportunity to test out

Required Courses (credit hours)

Recommended Elective Courses