

**COLLEGE:** Sinclair College

**ODE CAREER FIELD:** Construction Technologies (includes Architecture)

**ODE PATHWAY:** Mechanical, Electrical, & Plumbing

**SINCLAIR PROGRAM:** Heating, Ventilation, Air Conditioning & Refrigeration (HVACR) Engineering Technology

63-64 Credit Hours - Associate of Applied Science

HVACR.S.AAS

<b>HIGH SCHOOL</b>	<b>Freshman</b>	English I (1)	Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) Physical Education (.5)	Career Field Exploration	Fine Arts/Foreign Language/Business Elective (1)
	<b>Sophomore</b>	English II (1)	Geometry or Algebra II (1)	Biology or Life Science (1)	US History (1)	Technology Elective (1)	Career Pathway Foundation	Fine Arts/Foreign Language/Business Elective (1)
	<b>Junior</b>	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Advanced study in Life or Physical Science <b>OR</b> Earth/Space Science (1)	US Govt (.5) Economics and Financial Literacy Social Studies Elective (.5)	Career Tech Construction Technologies (1)	Career Tech Construction Technologies (1)	Career Tech Construction Technologies (1)
	<b>Senior</b>	English IV (1)	College Math or Calculus (1)	Physics (1)	Psychology, Sociology or Social Studies Elective (1)	Career Tech Construction Technologies (1)	Career Tech Construction Technologies (1)	Career Tech Construction Technologies (1)

Take ACT, SAT, or required Sinclair placement test. Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.

<b>COLLEGE</b>	<b>1st Semester</b>	■ CAT 1111 Mechanical Systems Blueprint Reading (1)	■ HVA 1201 Basic HVAC Systems with Cooling (3)	MET 1131 PC Applications for Engineering Technology (1)	■ HVA 1221 Heating Systems (3)	● MAT 1470 College Algebra (3) AND ● MAT 1570 Trigonometry (3)	<b>OR</b>	● MAT 1580 Precalculus (5)
	<b>2nd Semester</b>	● COM 2211 Effective Public Speaking (3)	HVA 1301 Air & Water Distribution Systems (3)	● ENG 1101 English Composition I (3)	CAT 1601 Building Electric & Controls (4)	■ HVA 1261 HVAC Loads & Distribution for Small Buildings (4)		
	<b>3rd Semester</b>	CAT 1131 Introduction to Revit MEP (3)	HVACR Elective (2)	HVA 2251 Primary HVAC Equipment Operation & Selection (3)	HVA 2351 HVAC Systems & Controls (5)	● OTM Social & Behavioral Sciences Elective (3)		
	<b>4th Semester</b>	HVA 2780 HVACR Engineering Technology Capstone Project (3)	● PHY 1141 College Physics I (4)	MET 2711 Ethics for Engineering Technology Professionals (1)	■ HVA 1241 HVAC Installation Techniques & Practices (4)	■ HVA 1401 HVAC Mechanical & Electrical Troubleshooting (3)	HVA 1352 Psychrometrics, Health, & Comfort in HVAC (2)	

● = Courses guaranteed to transfer to Ohio's public institutions of higher education

■ Indicates eligible college course opportunities via Proficiency credit or Articulated Award credit.

■ Indicates Career-Technical Assurance Guides (CTAG)-approved transfer credit. The high school or career center is responsible for sending the proper documentation, along with the Verification of Course/Program Completion form to the college in order for credits to be posted on a student's transcript.

Required Courses (credit hours)

Recommended Elective Courses

revised: 7/26/2018

**Please note: This template does not provide department approved course sequences for students to follow. That is, the courses may be presented out of order. It is best for students to consult with an academic advisor in order to plan a semester by semester course schedule in order to meet the requirements for their certificates and degree programs.**