

COLLEGE: Sinclair Community College-MVTP Consortium

CLUSTER: Construction & Architecture



HIGH SCHOOL(S): Ponitz CTC, GreeneCCC,
Stebbins High School,
Miami Valley Career Technology Center

PATHWAY: Construction & Architecture Technology

PROGRAM: Construction-Heat--Vent- Air Cond & Refrigeration

2009-2010

100 SCC Credit Hours - Associate of Applied Science

GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	REQUIRED COURSES				
					RECOMMENDED ELECTIVE COURSES	OTHER ELECTIVE COURSES	CAREER AND TECHNICAL EDUCATION COURSES		
SECONDARY	9	English I (1)	Integrated Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) P E (.5)	Career Exploration integrated with English 9	Elective (1)	
	10	English II (1)	Geometry or Algebra II (1)	Biology (1)	American History (1)	Introduction to Engineering Design (1)	Technology Word & Excel (.5) Art (.5)	Elective (1)	
	11	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)	P E (.5)	
	In 11th grade, assess for college readiness by administering the "ACCUPLACER TEST" (Reading, Math and Writing)								
12	English IV (1)	Integrated College Math or Calculus (1)	Chemistry (1)	Elective (1)	College Tech Prep Construction Tech (1)	College Tech Prep Construction Tech (1)	Elective (1)		
Mandatory College Placement Assessment (Reading, Math and Writing), Sinclair Academic Advising # + State O.G.T.Requirement M									
POSTSECONDARY	1st Quarter	•English Comp I ENG111 (3)	Technical Mathematics I MAT131 (5)	■Intro. to HVAC Systems HVA144 (3)	Mechanical Syst Blueprint Reading CAT139 (2)	■Personal Comp. Appl. for Engr-ETD198 (2)			
	2nd Quarter	•English Comp II ENG112 (3)	•Technical Mathematics II MAT132 (5)	Air & Water Distribution Syst. HVA170 (5)	Basics of Cooling & Cooling Sys. HVA184 (3)	■Intro to CAD Concepts ETD199 (2)			
	3rd Quarter	Industrial Process Exhaust HVA250 (3)	Boilers in the HVAC Systems HVA180 (3)	Basic Electrical Circuits & Controls EET119 (4)	Ethics for Engr Professionals ETD121 (2)	Psychrometrics-Load Calculations HVA174 (5)	Adv Analytical Tools for Engr Tech ETD261 (2)		
	4th Quarter	•Interpersonal Communication COM206 (3)	Advanced HVAC Applications HVA253 (3)	Principles of Process Control HVA240 (3)	Introduction to Revit MEP CAT202 (3)	Modern Refrigeration Prac. HVA186 (3)			
	5th Quarter	•Arts&Humanities Elective (3)	Mechanical Cost Estimating HVA272 (3)	Current Topics in HVAC HVA276 (3)	Controls for Bldg. HVAC Systems HVA243 (3)	Advanced HVAC Applications II HVA254 (3)			
	6th Quarter	•Social Science Elective (3)	Testing, Adjusting & Balancing HVAC HVA177 (3)	•Technical Physics I PHY131 (4)	HVAC Application Capstone Project HVA278 (6)				
<p># <u>The Tech Prep Template is a MAP to Program Course Selection.</u> Sinclair Academic Advisors will assist students with individual course selections. Templates are precise for the year stated.</p>					Required Courses				
					Recommended Elective Courses				
					Career and Technical Education Courses				
					Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment, Articulated Courses 2+2 (+2) (⇄=High School to College) (⇄=Com. College to 4yr. Institution) (■=Opportunity to test out)				
					Mandatory Assessments, Sinclair Academic Advising, and State of Ohio Requirements				

ADULT LEARNER ENTRY POINTS