

COLLEGE: **Sinclair Community College-MVTP Consortium**

CLUSTER: **Construction & Architecture**



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

PATHWAY: **Construction & Architecture Technology**



**Stebbins High School,**  
**Miami Valley Career Technology Center**

PROGRAM: **Construction & Architectural Technology**

**2009-2010**

**104 Credit Hours - SCC - Associate of Applied Arts**

ADULT LEARNER ENTRY POINTS

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)	Chemistry (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 "ACUPLACER TEST" (Reading, Math and Writing)									
	12	English IV (1)	Integrated College Math or Calculus (1)	Conceptual Physics or Physics I (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		Technical Mathematics I MAT131 (5)	■Architectural Drafting CAT101 (3)	■Residential Constr. Meth&Mat. CAT105 (4)	Personal Computer ■Apps for Engr ETD198 (2)	Intro to Civil & Architectural Tech CAT110 (3)			
	2nd Quarter	●Interpersonal Communication Com206 (3)	●Technical Mathematics II MAT132 (5)	Architectural Detail ■Drafting CAT102 (3)	Civil Constr Blueprint & Draft CAT121 (2)	Intro to Computer ■Aided Drafting ETD199 (2)	Properties of Constr Materials CAT131 (3)			
	3rd Quarter	●English Comp I ENG111 (3)	Technical Physics I PHY131 (4)	Commercial Constr Methods&Materials CAT106 (3)	Intro to Revit Architecture CAD201 (3)	Construction Estimating CAT216 (4)				
	4th Quarter	●English Comp II ENG112 (3)	Statics ETD213 (4)	Engr. Tech Project Management CAT255 (4)	Architectural Building Codes CAT207 (3)	Residential Design with CAD CAT240 (4)				
	5th Quarter	●Social Science Elective (3)	Strength of Materials ETD222 (4)	Ethics for Engr. Tech Profess's ETD121 (2)	Commercial Design with CAD CAT241 (4)	Mech.Syst Design & Drawing CAD CAT212 (4)				
	6th Quarter	●Humanities Elective (3)	Civil Architectural Internship CAT270 (3)	Architectural Energy Analysis CAT260 (3)	Soil Mechanics CAT245 (4)	Civil Architectural Capstone CAT278 (3)				
<b># The Tech Prep Template is a MAP to Program Course Selection.</b> Sinclair Academic Advisors will assist students with individual course selections. Templates are precise for the year stated.				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						