

COLLEGE: Sinclair Community College-MVTP Consortium

CLUSTER: Construction & Architecture



HIGH SCHOOL(S): Pontiz CTC, GreeneCCC, Butler Tech,

PATHWAY: Construction & Architecture Technology



Stebbins, Centerville HS., Kettering Fairmont HS

PROGRAM: **Civil Engineering Technology**

Miami Valley Career Tech Center

2009-2010

103 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-Ppt-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	■Architectural Drafting CAT101 (3)	Technical Math I MAT131 (5)	Civil Construction Blueprints&Draft CAT121 (2)	Intro to Civil & Architectural Tech CAT110 (3)	■Personal Comp. Appl. in Engr-ETD198 (2)	■Intro to CAD Concepts ETD199 (2)			
	2nd Quarter	●Interpersonal Communication COM206 (3)	●Technical Math II MAT132 (5)	Commercial Constr Methods&Materials CAT106 (3)	Residential Const Methods&Materials CAT105 (4)	Properties of Const. Materials CAT131 (3)				
	3rd Quarter	Intro to Revit Architecture CAT201 (3)	Basic Construction Surveying CAT123 (4)	●Technical Physics I PHY131 (4)	Adv Analytical Tools for Engr Tech ETD261 (2)	Construction Estimating CAT216 (4)				
	4th Quarter	●English Comp I ENG111 (3)	Engr.Tech Project Management CAT255 (4)	Introduction to GIS & GPS CAT227 (3)	Topographic Surveying&Geom CAT221 (3)	Statics ETD213 (4)				
	5th Quarter	●English Comp I I ENG112 (3)	Subdivision Design CAT223 (4)	Ethics for Engr Technology Prof. ETD121 (2)	●Social Science Elective (3)	Strength of Materials ETD222 (4)				
	6th Quarter	●Arts&Humanities Elective (3)	Soil Mechanics CAT245 (4)	Advanced Const. Surveying CAT229 (3)	Civil Architectural Capstone CAT278 (4)	Civil Architectural Internship CAT270 (3)				
<p># The Tech Prep Template is a MAP to Program Course Selection. Sinclair Academic Advisors will assist students with individual course selections. Templates are precise for the year stated.</p>					Required Courses					
					Recommended Elective Courses					
					College and Technical Education Courses					
					Credit-Based Transition Programs (Dual/Concurrent Enrollment, Articulated Courses,2+2+2)					
					(◆=High School to Com. College) (●=Com.College to 4-Yr.Institution) (■ =Opportunity to test out)					
Mandatory Assessments, Sinclair Academic Advising, and State of Ohio Requirements										