

COLLEGE: Sinclair Community College-MVTP Consortium
HIGH SCHOOL(S): Centerville, Dayton Career Center,
 Kettering Fairmont, Stebbins,
 Miami Valley Career Tech Center

CLUSTER: Science, Technology, Engineering and Math
PATHWAY: Engineering Technology
PROGRAM: Civil Engineering Technology

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)	World History (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 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)	Tech Prep Engineering Tech ♦(1)	Tech Prep Engineering Tech ♦(1)	P E (.5)		
	Early College Placement Assessment (Reading, Math and Writing)									
	12	English IV (1)	Integrated College Math or Calculus (1)	Chemistry (1)	Elective (1)	Tech Prep Engr Drafting Graphics ♦(1)	Tech Prep Engr PC Applications in ♦Engineering (1)	Elective (1)		
Mandatory College Placement Assessment (Reading, Math and Writing) and Acad. Advising + State O.G.T.Requirement III										
POSTSECONDARY	Year 1 1st Quarter	English Comp I ENG111 •(3)	Mathematics 131 Technical Math I •(5)	Personal Comp. Appl. in Engr- ♦MET198 (2)	Architectural Blueprint Reading ARC138 (3)	Basic Construction Surveying CCT102 (4)	Tech. Graphics Communication ♦DRT196 (3)			
	Year 1 2nd Quarter	Eng 121 Technical Composition I (3)	Mathematics 132 Technical Math II •(5)	General Education Elective •(3)	Civil Construction Blueprints&Draft CCT103 (3)	Properties of Const. Materials CCT105 (3)	Intro to CAD Concepts ♦DRT198 (2)			
	Year 1 3rd Quarter	Eng 122 Technical Composition II (3)	Mathematics 133 Technical Math III •(5)	Technical Physics I PHY131 (4)	Social Science Elective (3)	Topographic Mapping CCT247 (3)	Construction Management CCT256 (3)			
	Year 2 1st Quarter	Effective Speaking I Com211 •(3)	Statics MET2033 (4)	Technical Physics II PHY132 (4)	Construction Estimating CCT216 (4)	Highway Surveying Design CCT247 (3)	IET Workshop IET190 ♦(3)			
	Year 2 2nd Quarter		Subdivision Design CCT203 (4)	Soil Mechanics CCT245 (4)	Project Management Tech. CCT258 (3)	Strength of Materials MET207 (4)	Humanities Elective (3)			
	Year 2 3rd Quarter		Reinforced Concrete Design CCT206 (4)	Civil Technology Internship CCT270 (3)	Civil Construction Capstone CCT278 (4)	Adv. Construction Layout CCT248 (3)				



Required Courses
Recommended Elective Courses
College and Technical Education Courses
Credit-Based Transition Programs (Dual/Concurrent Enrollment, Articulated Courses by Proficiency) (♦=High School to Com. College) (•=Com.College to 4-Yr.Institution) (■ =Opportunity to test out)
Mandatory Assessments, Advising, and Additional Preparation