

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

**CLUSTER:** ScienceTech,Engineering&Mathematics



**HIGH SCHOOL(S):** Centerville H.S., Pontiz CTC, GreeneCCC,

**PATHWAY:** Engineering Technology



Kettering Fairmont H.S., Stebbins H.S.,Butler

**PROGRAM:** Mechanical Engineering-CAD Design Option

Tech, Miami Valley Career Tech Center

2009-2010

104 SCC Credit Hours - Associate of Applied Science

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 / Adv. Algebra II & Trigonometry (1)	Physics I (1)	Am.Govt (.5) Social Studies Elective (.5)	College Tech Prep Engineering Technology (1)	College Tech Prep Engineering Technology (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 Engineering Technology (1)	College Tech Prep Engineering Technology (1)	Elective (1)		
Mandatory College Placement Assessment (Reading, Math and Writing) and SinclairAcademic Advising # + Passage of theState O.G.T.Requirement										
POSTSECONDARY	1st Quarter	●EffectivePublic Speaking I COM211(3)	Technical Mathematics I MAT131 (5)	Tooling&Machining Metrology OPT100 (2)	■Personal Comput Apps - Engr Tech ETD198 (2)	■Intro to EngineeringDesign ETD101 (3)	■Print Readingwith Graph.Design& T. ETD128 (3)			
	2nd Quarter	●English Comp I ENG111 (3)	Technical Mathematics II MAT132 (5)	Intro to the Product Real. Process ETD118 (1)	Robotics in CIM Systems EGR128 (3)	Principles of Engineering ETD102 (3)	■Digital Technology EET198 (3)			
	3rd Quarter	●English Comp II ENG112 (3)	Solidworks Basics ETD284 (5)	Technical Physics I PHY131 (4)	EngineeringDesign & Development ETD110 (3)	Adv Analytical Toos for Engr. T. ETD261 (2)				
	4th Quarter	Statics ETD213 (4)	Non-Metallic Materials OPT133 (2)	Metallurgy OPT132 (2)	Engr Tech Project Management CAT255 (4)	Emerging Technology Tools ETD228 (1)	Unigraphics Basics ETD291 (5)			
	5th Quarter	●Arts&Humanities Elective (3)	●Sociology Elective (3)	Fluid Mechanics HVA286 (3)	Ethics for Engr Tech Professional ETD121 (2)	Product Devel. & Testing ETD238 (2)	Strength of Materials ETD222 (4)			
	6th Quarter	Dynamics with Kinematic Analysis ETD214 (4)	Machine Design ETD245 (5)	Engineering Tech Design Capstone ETD278 (4)	Mechanical Engr Tech Internship ETD270 (3)					
<p># <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.</p>					<b>Required Courses</b>					
					<b>Recommended Elective Courses</b>					
					<b>College and Technical Education Courses</b>					
					<b>Credit-Based Transition Programs ( Dual/Concurrent Enrollment, Articulated Courses,2+2+2)</b>					
					<b>(◆=High School to Com. College) (●=Com.College to 4-Yr.Institution) (■ =Opportunity to test out)</b>					
<b>Mandatory Assessments, Sinclair Academic Advising, and State of Ohio Requirements</b>										