

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: **Computer Aided Manufacturing-Precision Machining Option**

Tech, Miami Valley Career Technology Center

2009-2010

101 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-PPT-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 M										
POSTSECONDARY	1st Quarter	Applied Shop Mathematics I INT141 (3)	Machine Operations Lab I INT161 (8)	Principles of Manufacturing INT107 (4)	■Funda's ofTool & Manuf Processes INT109 (4)					
	2nd Quarter	Applied Shop Mathematics II INT142 (3)	Machine Operations Lab II INT162 (8)	Fundamentals of CNC INT113 (3)	Tooling Machining Metrology OPT100 (2)					
	3rd Quarter	Applied Shop Mathematics III INT143 (3)	Machine Operations Lab III INT163 (8)	CNC Operations INT116 (3)	Shop Floor Programing INT145 (3)					
	4th Quarter	●English Composition I ENG111 (3)	Elementary Algebra MAT101 (4)	Adv Computer Numerical Control INT211 (3)	Compu Numerical Control Lathe Pro INT204 (3)	Introduction to Operations OPT101 (3)				
	5th Quarter	●English Composition II ENG112 (3)	●Arts&Humanities Elective (3)	Manufacturing Processes OPT205 (3)	Computer Assist. Programming INT212 (3)	Jig & Fixture Design INT114 (3)	■Personal Comp. Appl. in Engr-EDT198 (2)			
	6th Quarter	●Interpersonal Communication COM206 (3)	●Arts&Humanities Elective (3)	Tool Design INT225 (3)	Compu-Numerical ControlApplication INT213 (4)	Value Analysis OPT206 (3)				
# 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.					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					