

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-CNC Technology Option**

Tech, Miami Valley Career Technology Center

2009-2010

96 Credit Hours-SCC - 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									
POSTSECONDARY	1st Quarter	Principles of Manufacturing INT107 (4)	CNC Operations INT116 (3)	■Funda of Tool & Manuf Processes INT109 (4)	Student Success Experience SCC101 (2)	■Print Reading with GD & T ETD128 (3)			
	2nd Quarter	●English Comp I ENG111 (3)	Applied Shop Math I INT141 (3)	Fundamentals of CNC INT113 (3)	Tooling&Machining Metrology OPT100 (2)	Intro to World Class Operations OPT125 (3)	■Personal Comp. Appl. in Engr- EDT198 (2)		
	3rd Quarter	●English Comp II ENG112 (3)	Applied Shop Math II INT142 (3)	Intro to Operations OPT101 (3)	Interpersonal Communication COM206 (3)	Comp. Numerical Control Lathe Pro INT204 (3)	Intro to CompAided Drafting Concepts ETD199 (2)		
	4th Quarter	Adv Computer Numerical Control INT211 (3)	Applied Shop Math III INT143 (3)	Adv Computer Aided Drafting ETD280 (3)	Arts&Humanities Elective (3)	Manufacturing Processes OPT205 (3)			
	5th Quarter	ComputerAssisted Programming INT212 (3)	Elementary Algebra MAT101 (4)	Jig & Fixture Design INT114 (3)	Supervision & Team Leadership OPT126 (3)	Shop Floor Programming INT145 (3)			
	6th Quarter	Arts&Humanities Elective (3)	Facilities Planning OPT216 (3)	Coordinate Measurement OPT113 (3)	Compu-Numerical ControlApplication INT213 (4)	Tool Design INT225 (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				
					Career and Technical Education Courses				
					<p>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)</p>				
					Mandatory Assessments, Sinclair Academic Advising, and State of Ohio Requirements				