

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

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

Kettering Fairmont H.S., StebbinsH.S., Butler

Tech, Miami Valley Career Tech Center

**CLUSTER:** ScienceTech,Engineering&Mathematics

**PATHWAY:** Engineering Technology

**PROGRAM:** Operations Technology - Manufacturing Option



2009-2010

107 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)	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)	Social Studies	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 Sinclair Academic Advising # + Passage of the State O.G.T. Requirement										
POSTSECONDARY	1st Quarter	●English Comp. I ENG111 (3)	Technical Mathematics I MAT131 (5)	Intro to OSHA Gen IndustryStandards OPT105(1)	Introduction to Operations OPT101 (3)	Intro World-Class Operations OPT125 (3)	Supervision & Team Leadership OPT126 (3)			
	2nd Quarter	●English Comp. II ENG112 (3)	Tooling&Machining Metrology OPT100 (2)	Ergonomics OPT112 (3)	Lean Operations OPT130 (3)	Excel for Engineering Tech OPT198 (2)	■Print Reading with GD&T ETD128 (3)	Design&Process Failure Modes&Eff OPT225 (2)		
	3rd Quarter	●English Comp III ENG113 (3)	Coordinate Measurement OPT113 (3)	Operations Work Measurement OPT110 (2)	Operations Project Management OPT212 (3)	Introduction to Chemistry CHE120 (4)	■Intro to Computer Aided Drafting ETD199 (2)			
	4th Quarter	●Interpersonal Comm Com206 (3) or EffPubSpeak	Operations Systems Analysis OPT207 (3)	Statistical Process Control OPT201(3)	Manufacturing Processes OPT205 (3)	Operations Tech Elective OPT (3)	Operations Cost Analysis OPT209 (3)			
	5th Quarter	●Arts&Humanities Elective (3)	Metallurgy OPT132 (2)	Engineering Tech Economics OPT208 (3)	Supply Chain Opt. and Logistics OPT251 (5)	Six Sigma - Green Belt OPT240 (3)	Operations Tech Elective OPT (3)			
	6th Quarter	●Arts&Humanities Elective (3)	Value Analysis OPT206 (3)	Facilities Planning OPT216 (3)	ISO9000/16949 QualitySysAuditing OPT223 (3)	Operations Tech Capstone OPT278 (3)	Non-Metallic Materials OPT133 (2)			
<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>Career and Technical Education Courses</b>					
					<b>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)</b>					
					<b>Mandatory Assessments, Sinclair Academic Advising, and State of Ohio Requirements</b>					