

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

CLUSTER: **Engineering & Science**

HIGH SCHOOL(S): _____

PATHWAY: **Chemistry University Parallel**



PROGRAM: **AS Degree in Science w/ Focus on Chemistry**

2009-2010

90 - 110 Credit Hours - SCC Associate of 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)	Algebra I (1)	Biology I (1)	World History (1)	Health (.5) P E (.5)	Foreign Language (1)			
	10	English II (1)	Geometry (1)	Biology II (1)	American History (1)	P E (.5) Elective(.5)	Foreign Language (1)			
	11	English III (1)	Algebra II w/ Trig Functions (1)	Chemistry (1)	Am.Govt. (.5) Social Studies Elective (.5)	Additional Science Elective 11 (1)	Foreign Language (1)			
	12	English IV (1)	Calculus (1)	Physics or Chem II or other AP lab science (1)	Elective (1)	Additional Science Elective 12 (1)	Foreign Language (1)	ACT College Readiness Std. English - 18	Math - 22 (Calculus - 27)	
Mandatory College Placement Assessment (Reading, Math and Writing) and Sinclair Academic Advising # + Passage of the State O.G.T. Requirement										
POSTSECONDARY	Sinclair degree requirements - College Foundations (2 hours) SCC 101 - Student Success Experience, Computer Literacy (3 hours), Communication (3 hours) COM 211 - Effective Public Speaking					Ohio Transfer Module (54 - 60 hours) - Complete OTM as follows: English (ENG 111, 112, 113) - 9 hours; Mathematics -below; Natural Science - 9 to 12 hours; Social & Behavioral Science - 9 hours minimum (ECO, GEO, PLS, PSY, SOC); Arts & Humanities - 9 hours minimum (ART, DAN, HIS, HUM, LIT, MUS, PHI, REL, THE)				
	Science Concentration for Biology (15 hours): Organic Chem I - III: CHE 201 (5), CHE 202 (5), CHE 203 (5) w/ lab sections CHE 207, CHE 208, CHE 209 Note: Organic Chem MUST be taken as a <u>complete sequence</u> to receive guaranteed TAG transfer.					Math & Science Core for OTM completion (20 hours of the 54 hours required in the OTM from #2 above) MAT 201 - Calculus I (5) & General Chemistry I - III: CHE 151 (5), CHE 152 (5), CHM 153 (5) w/ lab sections CHE 157, CHE 158, CHE 159.				
	Electives in Math & Science Concentration: Optional: Two physics courses from either: PHY 141 & PHY 142 College Physics I (4) & II (4) or PHY 201 & PHY 202 General Physics I (6), & II (6) w/ lab sections. Physics coursework would depend on whether a student intends on transferring into a BA or BS Chemistry track. Additional mathematics will be required beyond MAT 201.									
# The pathway 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.					Ohio Transfer Module - Sinclair requires a minimum of 54 hours to complete the OTM. See advisor					
					State Approved Transfer Assurance Guide (TAG) Courses					
					Recommended electives may represent additional transferable courses beyond the TAG or OTM					
					Institutional Requirements: For entrance and graduation, a transfer student must meet all institutional and degree requirements of native students at the receiving institution.					