

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

CLUSTER: **Engineering Science**

HIGH SCHOOL(S): _____

PATHWAY: **Math/Physics**



PROGRAM: **Math/Physics University Parallel**

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)	CP Physical Science w/ Lab (1)	World History (1)	Health (.5) P E (.5)	Foreign Language I (1)		
	10	English II (1)	Geometry (1)	Biology (1)	American History (1)	P E (.5) Elective(.5)	Foreign Language II (1)		
	11	English III (1)	Algebra II w/ Trig Functions (1)	Chemistry (1)	Am.Govt. (.5) Social Studies Elective (.5)	Elective (1)	Foreign Language III (1)		
	12	English IV (1)	Calculus (1)	Physics or other AP lab science (1)	Elective (Adv. Math or Statistics) (1)	Elective (1)	Foreign Language IV (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	<p>Sinclair degree requirements -College Foundations (2 hours) SCC 101- Student Success Experience, Computer Literacy (3 hours) BIS 160 - Intro to Word, PowerPoint & Excel, Communication (3 hours) COM 211 - Effective Public Speaking</p>	<p>Ohio Transfer Module (54 - 60 hours) - Complete OTM as follows: English (ENG 111, 112, 113) - 9 hours; Mathematics - see #3 below; Natural Science - 9 to 12 hours: see #5 below; 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)</p>
	<p>Math & Science Concentration (19 to 35 hours Not taken under #5 Math & Science Core): MAT 202 & 203 (10) - Calculus II & III , MAT 215 (5) - Differential Equations, MAT 216 (4) - Elements of Linear Algebra PHYSICS MAJORS ONLY would take CHE 151(5) - General Chemistry I, CHE 152 (5) - General Chemistry II , CHM 153 (5) - General Chemistry III. In addition, take lab sections CHE 157, CHE 158, CHE 159 under General Chemistry sequence.</p>	<p>Math & Science Core for OTM completion (23 of the 54 hours required in the OTM from #2 above): MAT 201- Calculus I (5) & PHY 201, 202, 203 - General Physics I, II, III (18) w/ lab sections PHY 207, 208, 209</p>
	<p>Electives - MAT 204 (5) Calculus & Analytic Geometry IV or consult with an academic advisor to select additional electives.</p>	

<p># 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.</p>	<p>Ohio Transfer Module - Sinclair requires a minimum of 54 hours to complete the OTM. See advisor</p>
	<p>State Approved Transfer Assurance Guide (TAG) Courses</p>
	<p>Recommended electives may represent additional transferable courses beyond the TAG or OTM</p>
	<p>Institutional Requirements: For entrance and graduation, a transfer student must meet all institutional and degree requirements of native students at the receiving institution.</p>