

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

CLUSTER: **Engineering & Science**

HIGH SCHOOL(S): \_\_\_\_\_

PATHWAY: **Biology University Parallel**



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

**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 other AP lab science (1)	Elective (1)	Additional Science Elective 12 (1)	Foreign Language (1)	<b>ACT College Readiness Std.</b> 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><b>Sinclair degree requirements</b> - College Foundations (2 hours) <b>SCC 101</b> - Student Success Experience, A Computer Literacy course for three (3) hours, Communication (3 hours) <b>COM 211</b> - Effective Public Speaking</p>	<p><b>Ohio Transfer Module</b> (54 - 60 hours) - Complete OTM as follows: English (ENG 111, 112, 113) - 9 hours; Mathematics - see below; Natural Science - 9 to 12; Social &amp; Behavioral Science - 9 hours minimum (ECO, GEO, PLS, PSY, SOC); Arts &amp; Humanities - 9 hours minimum (ART, DAN, HIS, HUM, LIT, MUS, PHI, REL, THE)</p>
	<p><b>Science Concentration</b> for Biology (15 hours): General Chemistry I - III: <b>CHE 151</b> (5), <b>CHE 152</b> (5), <b>CHM 153</b> (5) w/ lab sections <b>CHE 157</b>, <b>CHE 158</b>, <b>CHE 159</b>. Organic Chem I - III: <b>CHE 201</b> (5), <b>CHE 202</b> (5), <b>CHE 203</b> (5) w/ lab sections <b>CHE 207</b>, <b>CHE 208</b>, <b>CHE 209</b> Note: Organic Chem MUST be taken as a sequence to receive guaranteed TAG transfer.</p>	<p><b>Math &amp; Science Core for OTM completion</b> (20 hours of the 54 hours required in the OTM from above) <b>MAT 116</b> - College Algebra (5) or <b>MAT 201</b>- Calculus I (5) &amp; <b>BIO 171</b> - Principles of Biology I (5), <b>BIO 172</b> - Principles of Biology II (5), <b>BIO 173</b> - Principles of Biology III (5) w/ labs.</p>
	<p><b>Electives in Math &amp; Science Concentration:</b> Optional: Two physics courses from either: <b>PHY 141 &amp; PHY 142</b> College Physics I (4) &amp; II (4) or <b>PHY 201 &amp; PHY 202</b> General Physics I (6), &amp; II (6) w/ lab sections. Physics coursework would depend on whether a student intends on transferring into a BA or BS Biology track. Additional mathematics will be required beyond <b>MAT 201</b>. Note: Students looking to transfer to Wright State university in Clinical Laboratory Science (CLS) may substitute <b>MAT 116</b> - College Algebra and <b>MAT 122 &amp; MAT 220</b> - Statistics I &amp; II. Consult w/ an academic advisor and WSU during the 1st year as CLS @ WSU has a selective admissions policy. Physics is not required in CLS.</p>	

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