

Subject	Early College Biotechnology Pathway A.A.S. 334						
	Grade 9 MCPS/MC Credits	Grade 10 (on HS Campus)	Summer (on MC Campus)	Grade 11 (on MC Campus)	Winter 1 Winter 2	Summer (on MC Campus)	Grade 12 (on MC Campus)
English	Honors English 9, 1/0	Honors English 10, 1/0		ENGL101, 1/3 ENGL102/103, 1/3			
Math	Geometry, 1/0	Algebra II or high level, 1/0	Math prep program	Sem 1: MATH 165, 1/4 (MATF)*			
Science, or Natural Science	9 th Grade Science, 1/0 (Physics recommended in Grade 9 or 10)	10 th Grade Science, 1/0 (Physics recommended in Grade 9 or 10)		Sem 1: CHEM 131, BIOT 120, 3/7 Sem 2: BIOT 200, BIOL 150, CHEM 132, 3/12	BIOT 110, 1/2		Sem 1: BIOL 151, BIOT 230, CHEM 203, 3/13 Sem 2: BIOL 222, BIOT 240, PHYS 203 or PHYS 233, BIOL210, 3/12
Social Studies, or Humanities/ Electives	Honors or AP U.S. History*, 1/0	Honors or AP NSL*, 1/0			SOCY 100 (BSSD) 1/3	HIST 117, 1/3	
Arts, Fine Arts		Fine Arts, 1/0					
Behavioral and Social Sciences							
Physical Education, Health	General P.E., 1/0;	Sem 1: Health .5					
Program Completer/Track Electives	For. Language, 1/0	For. Language, 1/0	Early College Transition Seminar			BIOT 250, 4/0^	
Technology Education	MCPS Tech Course, 1/0						
Elective/MC classes							

UMBC Foreign Language Requirement: The language requirement consists of completion of a foreign language through the 201 level or demonstrated proficiency at that level. The proficiency requirement is met by previous experience as follows: 1) completion of level 4 or higher of a language in high school, or 2) corresponding AP, IB or CLEP credit, or 3) completion of a language through the 201 level at a regionally accredited college or university. The Shady Grove Transfer Credit Limit Exception is available to students who earn an associate degree prior to transferring to UMBC at Shady Grove and will permit the transfer of up to 66 credits.

*In addition, students transferring to the UMBC TLST program must successfully complete MATH 181. This can be completed at MC during the summer after completion of the AAS degree.

^ Successful completion of BIOT 250 will satisfy the final requirement for an additional certificate in Bio-manufacturing (optional, but recommended)