

Subject	Montgomery College Early College Program Pathway General Engineering						
	Grade 9 MCPS/MC Credits	Grade 10 (at HS Campus)	Summer	Grade 11	Winter Term Grade 11 &/or Summer	Grade 12	Winter Term Grades 12
English	Honors English 9, 1/0	Honors English 10, 1/0		Sem 1: ENGL101, 1/3 Sem 2: ENGL102, 1/3			
Math	Algebra 2, 1/0	Precalculus or high level, 1/0		Sem 1: MATH 181, 1/4 (MATF) Sem 2: MATH 182, 1/4		Sem 1: MATH 280, 1/4 Sem 2: MATH 282, 1/3	
Science, or Natural Science	9 th Grade Science, Biology, 1/0	10 th Grade Science, Chemistry, 1/0		Sem 1: CHEM 131, 1/4, (NSLD) Sem 2: PHYS 161, 1/3, (NSND), CHEM 132, 1/4*		Sem 1: PHYS 262, 1/4, (NSLD) Sem 2: PHYS 263, 1/4, (NSLD)	
Social Studies, or Humanities/ Electives	US History or NSL, 1/0	US History or NSL, 1/3			Sum I: HIST 117, 1/3(HUMD and GEIR) Sum II: HLTH 105 (if MCPS health credit needed)		
Arts, Fine Arts						Sem 1: MUSC 117, 1/3 (ARTD)	
Behavioral and Social Sciences					Winter: PSYC 102, 1/3 (BSSD)		SOCY 100, 1/3 (BSSD)
Physical Education, Health	General P.E., 1/0	Sem 1: Health .5/0					
Program Completer/Track Electives	For. Language, 1/0	For. Language, 1/0				Sem 1: ENES 102, 1/3 Sem 2: ENES 220, 1/3 Engin. Elective, 1/3	
Technology Education	MCPS Tech Course, 1/0			Sem 1: ENES 100, 1/3*			
Elective/MC classes			Early College Summer Transition Program				

AP/IB Exam scores may qualify students to earn approved college credits replacing a course requirement above.

Updated March 30, 2021