

**EARLY COLLEGE A.S. Degree Data Science Program with
11th and 12th grades at MONTGOMERY COLLEGE**

Summer July between 10 th and 11 th grade (On MC Campus)	Fall Grade 11/ Year 1 (On MC Campus)	Winter Grade 11/Yr. 1 (Remote)	Spring Grade 11/Year 1 (On MC Campus)	Summer between Grade 11 & 12 (On Campus or Remote)	Fall Grade 12/ Year 2 (On MC Campus)	Spring Grade 12/ Year 2 (On MC Campus)
<p>Early College Orientation</p> <p>Math Prep Program</p>	<ul style="list-style-type: none"> • ENGL101, 1/3 • MATH 117 or MATH 217, 1/3 • HIST 117, 1/3 • COMM 108, 1/3 • ARTD, 1/3 	<ul style="list-style-type: none"> • PSYC 102, 1/3 	<ul style="list-style-type: none"> • ENGL 102, 1/3 • MATH 150 or 181, 1/4 • DATA 101 and DATA110, 2/6 	<ul style="list-style-type: none"> • GEOG 130, 1/3 • UNMET MCPS diploma or MC degree requirement 	<ul style="list-style-type: none"> • MATH 264, 1/4 • NSLD or approved course to fulfill earth science or physical science if needed for MCPS diploma, 1/4 • DATA 201, 1/3 • Approved Program Elective, 1/3 	<ul style="list-style-type: none"> • NSLD, 1/4 • DATA 205, 1/4 • 2 Approved Program Electives with one being a 200 level course, 2/7
	15	3	13	3	14	15

1/3 notation after class denotes 1 MCPS high school credit and 3 MC college credits earned, 1/4 denotes 1 MCPS and 4 MC credits earned, etc.

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

Program Electives include: strongly recommended CMSC 206 and GEOG 240; CMSC 206 will provide students with programming skills in Python and GEOG 240 provides foundational knowledge of Geographic Information Systems (GIS); other program electives may include MATH 165, MATH 182, CMSC 140, CMSC 203, GEOG 130, GEOG 260.