M-DCPS Suggested Credit Course Sequence for High School Mathematics 2016-2017				
Programs (Diploma Designations)	**Grade 9**	**Grade 10**	**Grade 11**	**Grade 12**
Regular **(Merit)**	Algebra 1	Geometry	Liberal Arts Mathematics 2* (Failed FSA Algebra 1 EOC)	Passed NGSSS Algebra 1 EOC: Algebra 2 / Advanced Topics in Math. / Failed NGSSS Algebra 1 EOC: Math for College Readiness
Regular **(Scholar)**	Algebra 1	Geometry	Algebra 2 (Passed FSA Algebra 1 EOC)	Trigonometry H. **AND** Math Analysis H.** / Probability & Statistics with Applications H. / D.E. Courses (Alg. 2 with a B or higher)
Advanced **(Scholar)**	Honors Algebra 1 (Level 3 or above in the Grade 8th Math FSA)	Honors Geometry (Passed FSA Algebra 1 EOC)	Honors Algebra 2 (Passed FSA Geometry EOC)	Trigonometry H. **AND** Math Analysis H.** / Probability & Statistics with Applications H. / D.E. Courses
Accelerated **(Scholar)**	Geometry (Failed FSA Algebra 1 EOC) / Honors Geometry / Honors Algebra 2	Algebra 2 (Passed FSA Algebra 1 EOC) / Honors Algebra 2 / Pre-Cal. Honors	Advanced Topics in Math. (Alg. 2 with a C or worse) / Pre-Calculus Honors / Probability & Statistics with Applications H. / Dual Enrollment Courses (D.E.) / AP Calculus AB / Dual Enrollment Courses (D.E.)	Trigonometry H. **AND** Math Analysis H.** / AP Calc. AB / AP Statistics / D.E. Courses / AP Calculus BC / D.E. Courses

Note:

- Students scoring at Level 1 & 2 on the Grade 8 FSA Mathematics or on the FSA Algebra 1 EOC should be enrolled in and complete an Intensive Math course the following year **or** be placed in a math course that includes remediation of skills not acquired by the student. Please refer to **Weekly Briefing #19303** for Intensive Math course options.
- Liberal Arts Mathematics 2 does **NOT** meet NCAA requirements however, it is considered as a Core Math class for all Bright Futures Scholarships and the State University System (SUS) admissions.
- Trigonometry Honors (.5 Credit – 1st Semester) and Math Analysis Honors (.5 credit – 2nd Semester) preferably should be offered in this order and taken together to meet annual course requirements.
- All students that have NOT demonstrated College Readiness by 11th grade MUST take Math for College Readiness in 12th grade.

M-DCPS Suggested Credit Course Sequence for High School Mathematics 2016-2017 with Algebra 1A & 1B*				
Programs (Diploma Designations)	**Grade 9**	**Grade 10**	**Grade 11**	**Grade 12**
Regular **(Merit)**	Algebra 1A & 1B (**concurrently**, see bullets below)	Geometry	Liberal Arts Mathematics 2 (Failed FSA Algebra 1 EOC)	Passed NGSSS Algebra 1 EOC: Algebra 2 / Advanced Topics in Math. / Failed NGSSS Algebra 1 EOC: Math for College Readiness
Regular **(Scholar)**	Algebra 1A & 1B (**concurrently**, see bullets below)	Geometry	Algebra 2 (Passed FSA Algebra 1 EOC)	Trigonometry H. **AND** Math Analysis H.** / Probability & Statistics with Applications H. / D.E. Courses (Alg. 2 with a B or higher)

*Notes:

- **Algebra 1-A and Algebra 1-B must be offered under the following conditions:**
  - The school has a **4x4 schedule**.
  - Both courses are taught **concurrently** within the same school year, following the District Pacing Guide curriculum.
  - Both courses are scheduled in a way that the same cohort of students receives **daily** Algebra instruction by the **same teacher**.
  - Students enrolled in these courses should receive the **same grade** for both subjects.
  - Algebra 1A counts for one Mathematics credit and 0.5 NCAA credit.
  - Algebra 1B counts for the Algebra 1 credit and 0.5 NCAA credit.
- A sample Algebra 1A and Algebra 1B schedule can be found in **Weekly Briefing #19303.**
- A sample credit allocation can be found in the table below.

Sample Mathematics Credits for Graduation Requirement				
9th Grade	**10th Grade**	**11th Grade**	**12 Grade**	**Total Credits**
Algebra 1A (1 MA credit, 0.5 NCAA) **AND** Algebra 1B (1 A1 credit, 0.5 NCAA)	Geometry (1 GE credit, 1 NCAA)	Liberal Arts Mathematics 2 (1 MA credit, NO NCAA)	Algebra 2 (1 MA credit, 1 NCAA) **OR** Advanced Topics in Math (1 MA credit, 1 NCAA) **OR** Math for College Readiness (1 MA credit, 1 NCAA)	1 Algebra 1 1 Geometry 3 Other Mathematics for a total of 5 Math Credits AND 3 NCAA credits