

Baltimore County Public Schools

Mathematics Program Grades 6 – 12

The Secondary Mathematics course sequence for Baltimore County Public Schools is designed with these guiding principles in mind:

Middle School Course Sequence Principles	High School Course Sequence Principles
<ul style="list-style-type: none"> ✓ Provide students access to all the middle school standards (grade 6, 7, and 8) prior to Algebra 1. ✓ Provide students opportunities to access Algebra 1 by grade 8. ✓ Provide access and opportunity to standards aligned, rigorous instruction (balance of conceptual understanding, procedural fluency, and application). ✓ Use consistent data protocols to drive placement decisions. 	<ul style="list-style-type: none"> ✓ Provide students opportunities to earn credits for courses that build on the content from prerequisite courses. ✓ Allow students to select course sequences that are based on their post-secondary school goals. This includes a calculus pathway or a statistics pathway. ✓ Provide access and opportunity to standards aligned, rigorous instruction (balance of conceptual understanding, procedural fluency, and application). ✓ Use consistent data protocols to drive placement decisions.

The current COMAR mathematics enrollment and mathematics credit requirements for graduation are as follows:

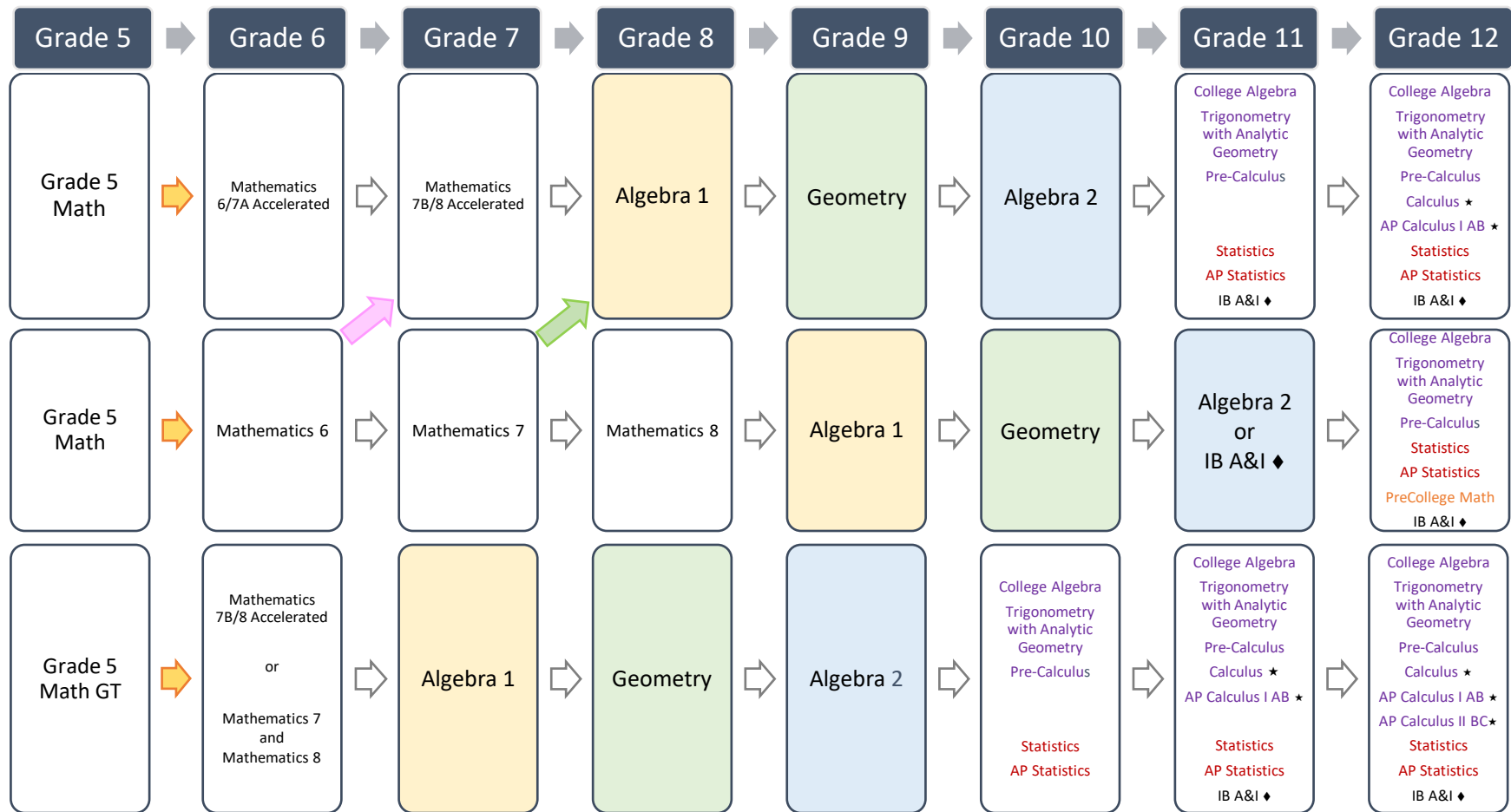
Enrollment Requirement ([COMAR 13A.03.02.03](#))

- Beginning with students entering the 9th grade class in the 2014 – 2015 school year, each student shall **enroll in a mathematics course in each year of high school that the student attends**, up to a maximum of 4 years of attendance, unless in the 5th or 6th year a mathematics courses is needed to meet a graduation requirement.

Credit Requirements ([COMAR 13A.03.02.03](#))

- Students who entered the 9th grade class in the 2020 – 2021 school year or earlier must earn **3 mathematics credits**, including:
 - One with instruction in algebra aligned with the Maryland Comprehensive Assessment for algebra or one or more credits in subsequent mathematics courses for which Algebra 1 is a prerequisite, and
 - One with instruction in geometry aligned with the content standards for geometry.
- Beginning with students entering the 9th grade class in the 2021 – 2022 school year, students must earn **4 mathematics credits**, including:
 - One with instruction in algebra aligned with the Maryland Comprehensive Assessment for algebra or one or more credits in subsequent mathematics courses for which Algebra 1 is a prerequisite, and
 - One with instruction in geometry aligned with the content standards for geometry.

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Key:

- Data Checkpoint: Grade 5 Universal Screening.
- Data Checkpoint and Summer Programming to cover Math 7A content (Math Pi-oneers).
- Data Checkpoint and Spring / Summer Programming to cover Math 8 content (Sprummer Course).

★: Courses labeled with a star (★) require prerequisite courses beyond Algebra 2. Refer to the course description for prerequisite requirements for these courses.

♦: IB Applications and Interpretations (IB A&I) is a two year course only offered at Kenwood High School and New Town High School in their International Baccalaureate Diploma Programme.