

MATHEMATICS

The state of New Jersey graduation requirement for mathematics indicates that all students must take Algebra I, Geometry, and a third year of mathematics which builds upon Algebra I and Geometry. Students in ninth grade should select their appropriate starting point by consulting the chart below.

COURSE SEQUENCES

Typical Mathematics Course Progressions, Grades 8-12

	Grade-Level Appropriate Courses		Accelerated Pathways		
8th Grade	Math 8		Algebra I	Algebra I	Geometry
9th Grade	Algebra I		Geometry	Honors Geometry	Honors Algebra II
10th Grade	Geometry		Algebra II	Honors Algebra II	Honors Precalculus
11th Grade	Intermediate Algebra and Trigonometry A (IAT A)	Algebra II	Precalculus	Honors Precalculus	AP Calculus AB
12th Grade	Intermediate Algebra and Trigonometry B (IAT B)	Precalculus <i>OR</i> Statistics <i>OR</i> Senior Math Topics	Calculus <i>AND/OR</i> Statistics	AP Calculus AB <i>AND/OR</i> AP Statistics	AP Calculus BC <i>AND/OR</i> AP Statistics

- The mathematics elective AP Computer Science A is open to students in grades 10-12 who meet the following criteria:
 - are concurrently enrolled in Algebra II or beyond
AND
 - eligible for another honors or AP level mathematics course OR earn an A or better in the most recent CP mathematics course
- This chart represents typical progressions for mathematics courses in grades 8 - 12. Movement between pathways is possible; certain courses require a proficiency exam. There are specific grade requirements to continue in courses in the accelerated pathways. Please consult the information on the following page for these exam and grade requirements, as well as detailed descriptions and prerequisites for each course.
- A more detailed chart that shows the grade requirements for courses and all of the possible movements between pathways is available here:
<https://app.ourcoursesystems.com/documents/D22hfQH34bfPAG9baT/12864508-13465/downloadFile.aspx>

** Seminar courses offered concurrently with Algebra I, Geometry and Algebra II. Please see page 45 for full course descriptions.