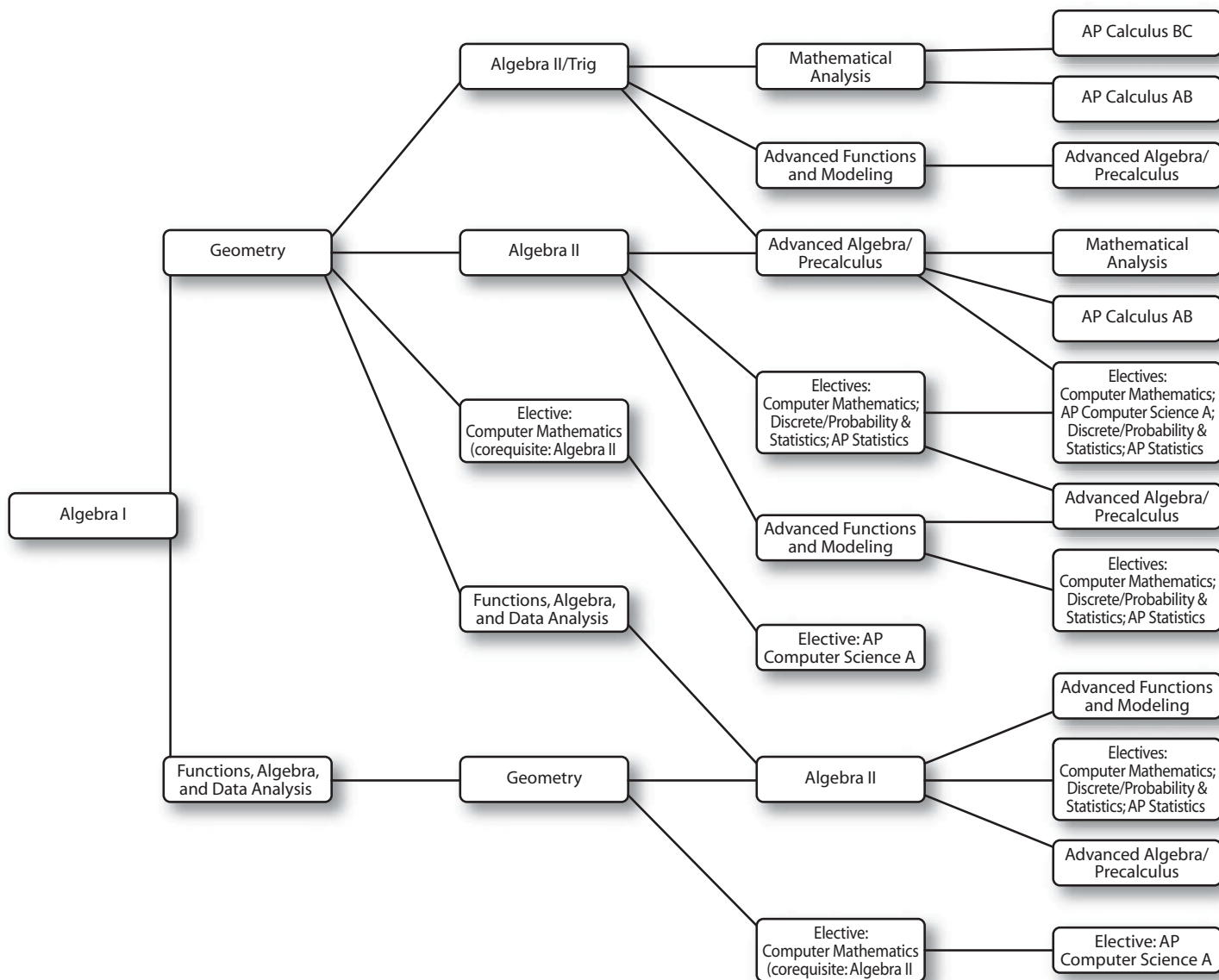


MATHEMATICS PROGRESSION CHART



MATHEMATICS

Algebra I, Part 1* **542000**
 Grades: 9-12 Credit: 1*
 Prerequisite: Mathematics 8

Algebra I, Part 1 supports and promotes student success in mathematics coursework necessary to fulfill graduation requirements. While strengthening prerequisite skills in the areas of operations with whole numbers, fractions, decimals, percentages, integers, and rational numbers, algebraic concepts are solidified through modeling and the use of manipulatives, graphing calculators, and computer software where appropriate. A concentration on improving problem solving and communication in mathematics builds student confidence. Students may earn one mathematics credit for the Modified Standard Diploma by successfully completing Algebra I, Part 1.

Algebra I, Part 2* **543000**
 Grades: 9-12 Credit: 1* (If completed in conjunction with Algebra I, Part 1)

Prerequisite: Algebra I, Part 1

SOI-TEST Algebra I, Part 2 supports and promotes student success in mathematics coursework necessary to fulfill graduation requirements. The study of linear and quadratic equations, linear inequalities, systems of equations, and functions inherent in Algebra are emphasized in the course.

Graphing calculators and other emerging technologies are used to facilitate problem solving, data analysis, and transformational graphing. Students should consult with a school counselor about the credits that may be used to fulfill the mathematics requirements for a high school diploma.

***For students entering the 9th grade for the first time in 2009-2010 or after, these courses may only be used as mathematics credits to fulfill the requirements of a Modified Standard Diploma.**