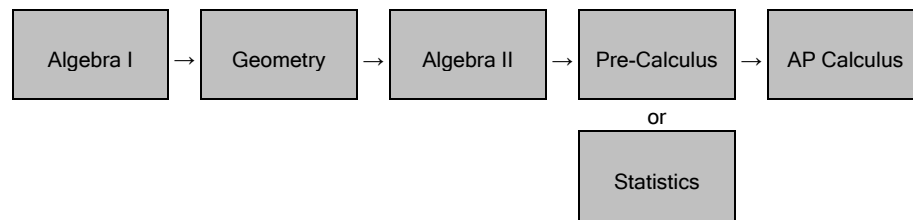


Mathematics

Course Progression:



Graduation Requirements:

- Three credits are required for graduation.
- Successful completion of Algebra I, Geometry, and Algebra II is required of all graduates.
- Courses exceeding departmental graduation requirements will be applied toward elective credits.
- Students who successfully complete Algebra I in 8th grade will receive one elective High School credit, be placed in Geometry in grade 9, **and are still required to take 3 math courses while in High School to meet graduation requirements.**

ALGEBRA I - 201

Pre-requisite: None
Duration: Full Year
Credits: 1.0

The Algebra I course develops basic skills in fundamental algebraic operations and problem solving. Topics include the study of real number operations, polynomials, inequalities, functions and relations, systems of open sentences in two variables, rational and irrational numbers, quadratic functions and equations.

GEOMETRY - 202

Pre-requisite: Algebra I
Duration: Full Year
Credits: 1.0

This course explores plane and solid geometry through postulates and theorems. The students will learn deductive reasoning skills to compile geometric properties into formal mathematical proofs. To accompany the lessons, each student will have access to a computer so they may discover the behavior and properties of lines and shapes through “Geometer’s Sketchpad.”