MATHEMATICS DEPARTMENT

Students at Bishop Amat typically progress through the mathematics curriculum in one of the following ways (listed below). Incoming freshman students are placed into their first math class at bishop Amat by taking the Math Placement Test, regardless of the last course taken in middle school*. Students who achieve high marks can accelerate their path by taking summer school courses**.

	Freshman	Sophomore	Junior	Senior
To Graduate	PreAlgebra/Algebra A	Algebra BC	Geometry	(Recommended) Algebra 2 or Intermediate Algebra
College Preparatory*	Algebra 1	Geometry	Algebra 2	Math Analysis or Adv. Alg./Trig
Honors College Preparatory*	Hon Algebra 1^	Hon Geometry	Hon Alg 2/Trig	Hon Math Analysis or IB Math SL
Advanced College Preparatory	Hon Geometry	Hon Algebra 2/Trig	Hon Math Analysis IB Math SL	IB Math SL or AP Statistics or Statistics or AP Calculus AB or AP Calculus BC
	Hon Algebra 2/Trig	Hon Math Analysis	IB Math SL AP Calculus AB AP Calculus BC	AP Calculus AB AP Calculus BC Differential Equations

Many 8th grade "Algebra 1" courses do not comprehensively cover the Common Core Standards of high school Algebra 1; topics covered should include solving equations and inequalities (including absolute value), graphing and solving linear equations and inequalities, solving linear systems of equations, properties of exponents and exponential functions, root functions and radical expressions, operations with polynomials, and graphing and solving quadratic functions including factoring quadratics in various forms.

**Students wishing to take AP Calculus AB/BC or AP Statistics in their senior year that begin in Algebra 1 or Honors Algebra 1 are encouraged to take either Geometry between Freshman and Sophomore year OR Algebra 2 between Sophomore and Junior year. Teacher recommendation is required.*

^ Students who test into Honors Algebra 1 can also take a pre 9th summer school session of Advanced Algebra to enter Honors Geometry with a grade of B or higher.