High School Mathematics Graduation Pathways

Alternate Selections
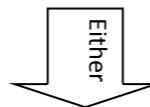
Honors Pathway

Secondary I

Linear and exponential functions, congruent geometries

⬇

Secondary II

Quadratic functions, similarity and right triangle trigonometry, conditional probability

⬇

Secondary III

Polynomial, rational and radical functions, trigonometry, logarithms, data collection and analysis

⬇ Either

AAF Courses that meet graduation requirements but are not sufficient preparation for college-readiness (Secondary II Prerequisite)

Introductory Statistics
Mathematical Decision Making for Life
Modern Math
Mathematics of Personal Finance
Computer Programming
Accounting

AAF Courses that meet graduation requirements (Secondary III Prerequisite)

AP Statistics (can be taken concurrently with SMIII)
College Prep Math
Concurrent Enrollment 1010, 1030, 1040
IB Mathematical Studies

Precalculus

Behavior and features of power and trigonometric function, matrices,, conic sections, sequence and series, polar and parametric equations, data distributions and analysis

Concurrent Enrollment 1050/1060

Behavior and features of square, root, absolute value, piecewise, polynomial, exponential, logarithmic and inverse functions, function operations and composition, matrices, conic sections, sequence and series.

Secondary IH

Secondary I matrices, vectors

⬇

Secondary IIH

Secondary II, depth in complex numbers, trigonometric identities, conic sections

⬇

Secondary IIIH

Secondary III, composition of functions, inverse functions, trig functions, polar and parametric forms, arithmetic and geometries series.

⬇

Calculus
IB Math SL