**PRE CALCULUS BC SYLLABUS**

* Equations/Inequalities/Absolute Value
* Radicals & Rational Exponents
* Rational Expressions
* Linear Equations
* Functions
* Average Rate of Change
* Transformations of Functions
* Max & Min of Functions
* One-to-One Functions & Their Inverses
* Polynomial Functions & Their Zeros
* Complex Numbers & the Fundamental Theorem of Algebra
* Exponents & Logarithms
* The Unit Circle
* Trig Functions
* Trig Graphs
* Angle Measure
* Trig of Right Triangles
* Law of Sines and Cosines
* Trig Identities
* Addition & Subtraction Formulas
* Double-Angle & Half-Angle Formulas
* Inverse Trig Functions
* Trig Equations
* Polar Coordinates & their Graphs
* Polar Form of Complex Numbers & DeMoivre’s Theorem
* Vectors
* The Dot Product
* Systems of Equations in Several Variables
* Partial Fractions
* Conic Sections
* Sequences & Series
* Limits
* Tangent Lines & Derivatives