Pre Calculus

Topics in this course include:
- Quadratic equations
- Basic trigonometric relationships in right triangles
- Problem solving applications
- Trigonometric functions of any angle (circle trigonometry)
- Graphs of sine and cosine
- Trigonometric proofs
- Parametric and polar equations
- General strategies to analyze functions and their graphs
- Polynomial, power, and rational functions
- Exponential, logistic, and logarithmic functions
- Sequences and series

The goal of the course is for students to have fluency with the behavior of the major functions, understanding their graphs, solution techniques, and applications.