

Pre-Calculus

This course combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. A graphing calculator is required. **Prerequisite. Algebra I and II, Geometry**

Course ID# = PRECALC-GN-Y

(This course meets 1 of 4 needed Math Graduation Credit Requirements)