

# MATH 140X : PreCalculus

**Credits:** 4

**Class Hours:** 4 lecture

**Prerequisites:** "C" or higher in MATH 103 or acceptable placement.

**Description:** MATH 140X will provide students with essential precalculus skills needed in Calculus. Topics of study include, but are not limited to: trigonometric concepts including trigonometric functions, solving triangles, inverse trigonometric functions, solving trigonometric equations, proving trigonometric identities, and applications of trigonometry such as vectors and polar coordinates; and algebraic concepts including graphing polynomials and rational functions. Additional topics may include an introduction to logic and proof, analytic geometry, complex polar representation, summation (sigma) notation, and limits.

**Semester Offered:** Fall, Spring

**Designation:**

Foundations (Quantitative Reasoning) – FQ