

MS 123/MATH 11003 : College Algebra

ACTS Equivalent Course Number MATH 1103

Lecture Hours 3

Credits 3

This is a modern college algebra course based upon a function approach with emphasis on the following: Critical thinking, Mathematical modeling, and appropriate use of technology. Topics covered include: polynomial, rational, absolute value, exponential, and radical functions; graphing of polynomial, rational, exponential and logarithmic equations; graphing and solution of inequalities; solution of systems of equations using a variety of methods including determinants and matrices; other topics include progression, binomial theorem, partial fractions and set theory.

Prerequisites

Completion of [MS 1023/MATH 10373](#) with a grade of "C" or higher, ACT Math score of 19 or above, or ACCUPLACER Next Generation QAS score of 249 or higher. Students with a 17-18 on the NG ACCUPLACER QAS may enroll as long as they enroll in the corequisite [MS 1121/MATH 11271](#) lab.