Prerequisites: Two years of high school algebra and a Math Enhanced ACT of at least 19 or DSPM 0850 or COMPASS Placement.

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Calculator: A TI-83 graphing calculator is required for this course. TI-89 and TI-92 calculators will not be allowed.

Purpose: This course is designed to help students develop basic skills and concepts in college algebra. It satisfies the Area IV-B General Studies requirement and meets specific requirements for programs as outlined in the catalog.

Objectives: Upon completion of this course, students will have:

i. Enhanced mathematical and problem solving skills.
ii. Applied algebraic methods to the solution of practical problems.
iii. Explored the capabilities of the graphing calculator to better understand algebraic concepts.
iv. Developed an understanding of functions from graphical, numeric, and symbolic viewpoints.

v. Developed familiarity with polynomial, rational, exponential, and logarithmic functions including examples of their utility in modeling real-world phenomena.

vi. Solved systems of linear equations by a variety of methods, including matrix methods.

vii. Applied counting principles in the computation of probabilities.

Topical Outline: In order to accomplish the objectives of this course, the learner is required to:

i. Attend class meetings
ii. Participate in class activities
iii. Read and study class assignments
iv. Solve assigned problem sets/projects
v. Write quizzes and tests