

Course Outcome Summary

Standard Course

MATH 157 College Algebra

Course Information

Division	Science Mathematics
Contact Hours	45
Total Credits	3

Prerequisites

A grade of C or better in MATH 105 or MATH 151 within the last three years is highly recommended, or qualifying scores on accepted placement tests.

Course Description

This course covers the topics of polynomial equations, inequalities, exponential and logarithmic equations. Also included are systems of equations and complex numbers. Students will be expected to demonstrate the ability to work with mathematics numerically, graphically, analytically and verbally. The purpose of this course is to introduce students to college-level mathematics at a more gradual pace than MATH 164. MATH 157 and MATH 159 together are the equivalent of MATH 164.

Course Outcomes

In order to evidence success in this course, students will be able to:

1. Solve and graph linear equations.
2. Solve and graph quadratic and higher-order polynomial functions.
3. Solve and graph equations involving exponential and logarithmic functions.
4. Solve rational, radical and absolute value equations and inequalities.
5. Solve systems of equations and inequalities.
6. Apply matrix theory to solve systems of equations.

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