

# Course Outcome Summary

## Standard Course

### MATH 157 College Algebra

#### Course Information

Division	Science/Mathematics
Contact Hours	45
Total Credits	3

#### Prerequisites

A letter grade of C or better in MATH 151 or MATH 105, 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. 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 are the equivalent of MATH 164.

#### Course Outcomes

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

- 1- Determine the solution set of linear and quadratic equations and inequalities algebraically and with a graphing calculator.
- 2- Graph polynomial and rational functions with and without a graphing calculator.
- 3- Solve equations and inequalities involving third- and fourth-degree polynomials algebraically and with a graphing calculator.
- 4- Solve equations involving exponential or logarithmic functions algebraically and with a graphing calculator.
- 5- Solve systems of equations and inequalities algebraically and with a graphing calculator.
- 6- Apply matrix theory to solve systems of equations algebraically and with a graphing calculator.

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